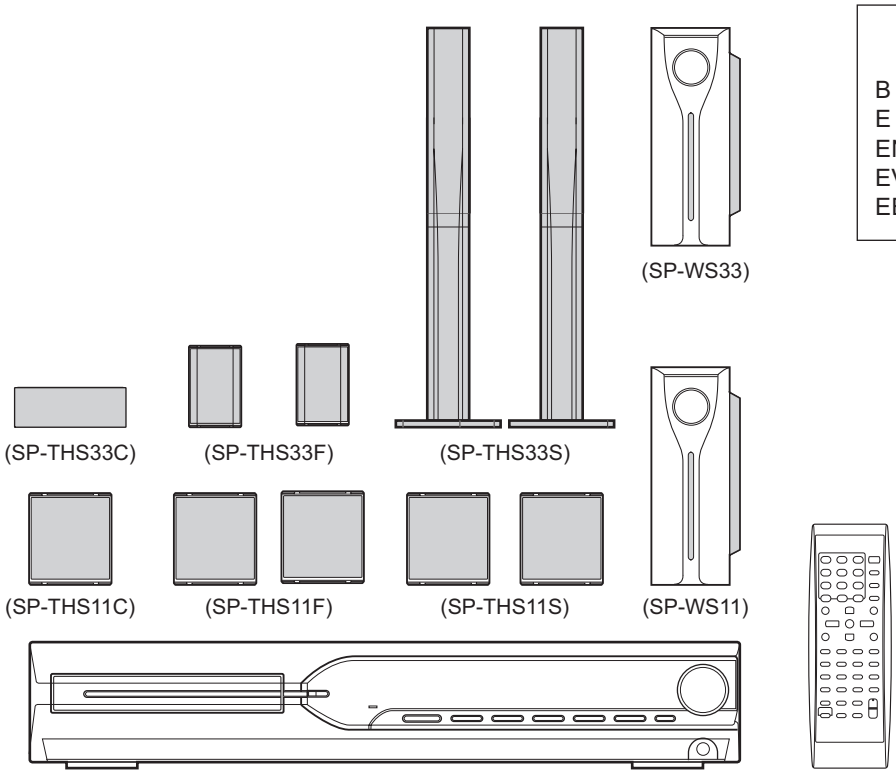
JVC

SERVICE MANUAL

DVD DIGITAL CINEMA SYSTEM

TH-S33,TH-S11



Area suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE -------- Russian Federation

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

TABLE OF CONTENTS

1 **PRECAUTION** 1-4
2 **SPECIFIC SERVICE INSTRUCTIONS** 1-8
3 **DISASSEMBLY** 1-9
4 **ADJUSTMENT** 1-23
5 **TROUBLESHOOTING** 1-25

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No.MB393
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SPECIFICATION

Center unit (XV-THS33/XV-THS11)

Audio section	Front/Center/Surround	33 W per channel, RMS at 6 Ω at 1 kHz, with 10 % total harmonic distortion.
	Subwoofer	40 W, RMS at 4 Ω at 100 Hz, with 10% total harmonic distortion.
Video section	Video System	PAL
	Horizontal Resolution	500 lines
	Signal-to-Noise Ratio	64 dB (Composite signal when "RGB" is selected)
	Video output level	Composite:1.0 V(p-p)/75 Ω S-video-Y:1.0 V(p-p)/75 Ω S-video-C:0.3 V(p-p)/75 Ω RGB:0.7 V(p-p)/75 Ω
Tuner section	Tuning Range	FM:87.50 MHz to 108.00 MHz AM:522 kHz to 1 629 kHz
General	Power Requirements	AC 230 V , 50 Hz
	Power Consumption	100 W (at operation) 1.3 W (in standby mode)
	Dimensions (W × H × D)	360 mm × 65 mm × 370 mm
	Mass	5.3 kg

Front speakers (SP-THS33F)

Type	1-Way Bass-Reflex Type (Magnetically-shielded Type)
Speaker	5.5 cm cone × 1
Power Handling Capacity	35 W
Impedance	6 Ω
Frequency Range	90 Hz to 20 000 Hz
Sound Pressure Level	75 dB/W·m
Dimensions (W × H × D)	230 mm × 1 102 mm × 260 mm
Mass	3.2 kg each
Dimensions (W × H × D)	129 mm × 284 mm × 337 mm
Mass	3.0 kg

Center speaker (SP-THS33C)

Type	1-Way Bass-Reflex Type (Magnetically-shielded Type)
Speaker	5.5 cm cone × 2
Power Handling Capacity	35 W
Impedance	6 Ω
Frequency Range	95 Hz to 20 000 Hz
Sound Pressure Level	81 dB/W·m
Dimensions (W × H × D)	220 mm × 84 mm × 88.5 mm
Mass	0.97 kg

Surround speakers (SP-THS33S)

Type	1-Way Bass-Reflex Type
Speaker	5.5 cm cone × 1
Power Handling Capacity	35 W
Impedance	6 Ω
Frequency Range	105 Hz to 20 000 Hz
Sound Pressure Level	75 dB/W·m
Dimensions (W × H × D)	83 mm × 131 mm × 93.5 mm
Mass	0.50 kg each

Subwoofer (SP-WS33)

Type	1-Way Bass-Reflex Type
Speaker	16.0 cm cone M 1
Power Handling Capacity	40 W
Impedance	4 Ω
Frequency Range	30 Hz to 150 Hz
Sound Pressure Level	75 dB/W·m
Dimensions (W × H × D)	129 mm × 284 mm × 337 mm
Mass	3.3 kg

Front speakers (SP-THS11F)

Type	1-Way Bass-Reflex Type (Magnetically-shielded Type)
Speaker	8.0 cm cone × 1
Power Handling Capacity	33 W
Impedance	6 Ω
Frequency Range	90 Hz to 20 000 Hz
Sound Pressure Level	84 dB/W·m
Dimensions (W × H × D)	92 mm × 101 mm × 95 mm
Mass	0.58 kg each

Center speaker (SP-THS11C)

Type	1-Way Bass-Reflex Type (Magnetically-shielded Type)
Speaker	8.0 cm cone M 1
Power Handling Capacity	33 W
Impedance	6 Ω
Frequency Range	90 Hz to 20 000 Hz
Sound Pressure Level	85 dB/W·m
Dimensions (W × H × D)	92 mm × 101 mm × 95 mm
Mass	0.65 kg

Surround speakers (SP-THS11S)

Type	1-Way Bass-Reflex Type
Speaker	8.0 cm cone × 1
Power Handling Capacity	33 W
Impedance	6 Ω
Frequency Range	90 Hz to 20 000 Hz
Sound Pressure Level	82 dB/W·m
Dimensions (W × H × D)	92 mm × 101 mm × 95 mm
Mass	0.56 kg each

Subwoofer (SP-WS11)

Type	1-Way Bass-Reflex Type
Speaker	15.0 cm cone × 1
Power Handling Capacity	40 W
Impedance	4 Ω
Frequency Range	40 Hz to 1 800 Hz
Sound Pressure Level	84 dB/W·m
Dimensions (W × H × D)	129 mm × 284 mm × 337 mm
Mass	3.0 kg

Designs & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

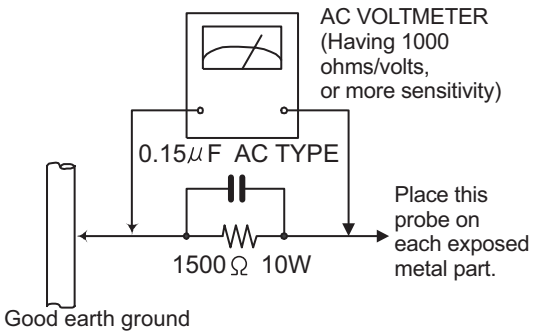
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Safety Precautions (U.K only)

(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
(2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
(3) Essential safety critical components are identified by (⚠) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

1.5.1 Warning

(1) Service should be performed by qualified personnel only.
(2) This equipment has been designed and manufactured to meet international safety standards.
(3) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(4) Repairs must be made in accordance with the relevant safety standards.
(5) It is essential that safety critical components are replaced by approved parts.
(6) If mains voltage selector is provided, check setting for local voltage.

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

1.6 Preventing static electricity

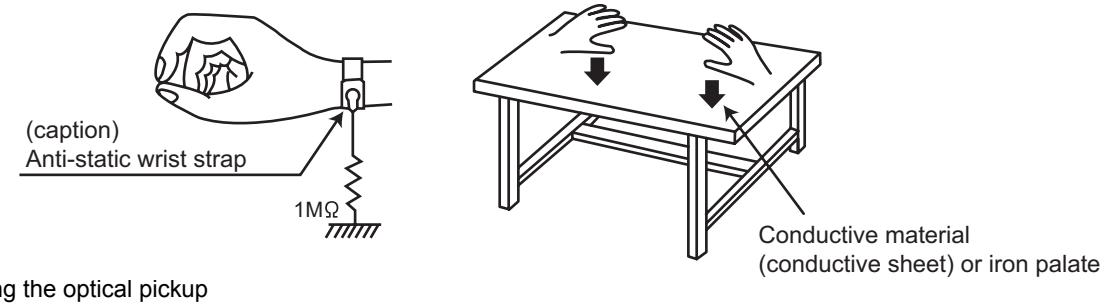
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.6.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

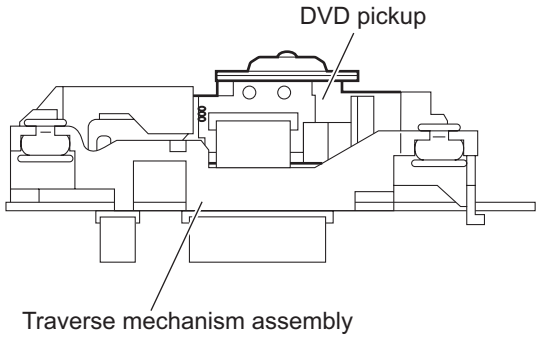
1.7 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.8 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connecto on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.



1.9 Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.
AVOID DIRECT EXPOSUREBTO BEAM.

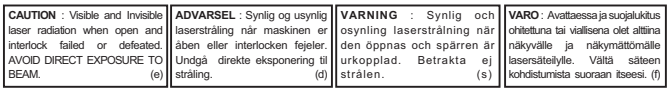
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

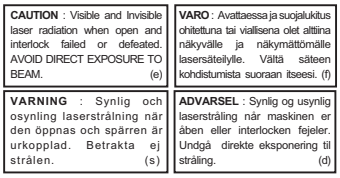
VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymätttömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL


CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)


CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Removing the metal cover (See Figs.1 to 4)

(1) From the both sides of the main body, remove the four screws **A** attaching the metal cover. (See Figs.1 and 2.)
(2) From the back side of the main body, remove the five screws **B** attaching the metal cover. (See Fig.3.)
(3) Lift the rear section of the metal cover in the direction of the arrow while extending the lower sections of the metal cover, release the claws **a** using a longer screwdriver from the inside as required. (See Fig.4.)

Note:

Do not damage any parts and boards inside the main body when releasing the claws **a** using the longer screwdriver. (See Fig.4.)

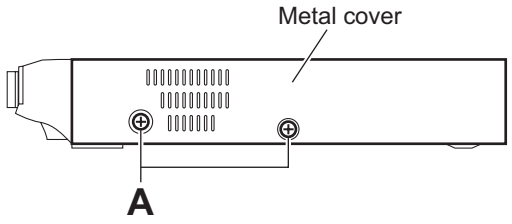


Fig.1

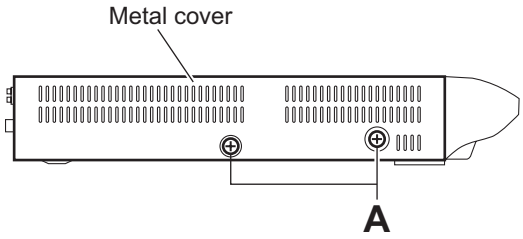


Fig.2

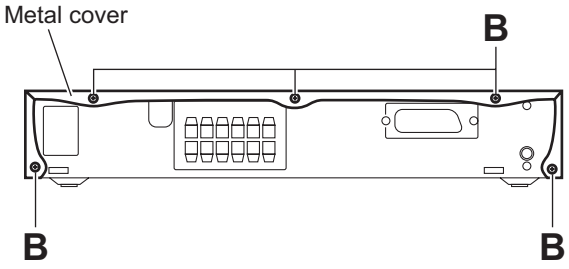


Fig.3

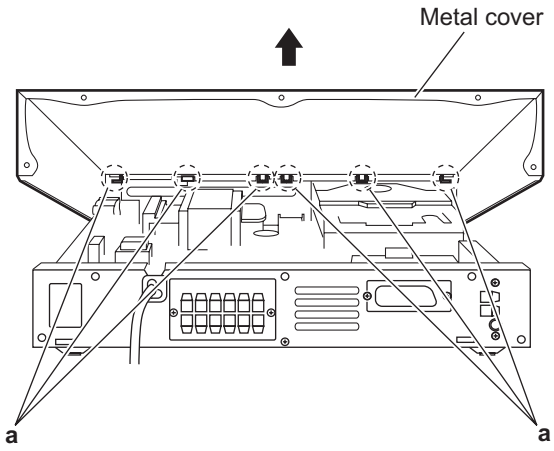


Fig.4

3.1.2 Removing the front panel assembly (See Figs.5 to 7)

- Remove the metal cover.

(1) From the right side of the DVD mechanism assembly, push the slide cam and pull the tray assembly out of the main body in the direction of the arrow. (See Fig.5.)
(2) From the front side of the main body, remove the CD fitting assembly from the tray assembly in the direction of the arrow and push in the tray assembly as before. (See Fig.6.)
(3) From the top side of the main body, disconnect the card wire from the connector CN400 on the main board. (See Fig.5.)
(4) Disconnect the card wire from the connector CN510 on the HP terminal board. (See Fig.5.)
(5) From the bottom side of the main body, remove the three screws **C** attaching the front panel assembly. (See Fig.7.)
(6) From both sides and back side of the main body, remove the front panel assembly in the direction of the arrow while releasing the joints **b**. (See Fig.7.)

3.1.3 Removing the DVD mechanism assembly (See Figs.5,6 and 8)

- Remove the metal cover.

(1) From the right side of the DVD mechanism assembly, push the slide cam and pull the tray assembly out of the main body in the direction of the arrow. (See Fig.5.)
(2) From the front side of the main body, remove the CD fitting from the tray assembly in the direction of the arrow and push in the tray assembly as before. (See Fig.6.)
(3) From the top side of the main body, disconnect the card wires from the connectors CN403 to CN405 on the main board. (See Fig.8.)
(4) Remove the three screws **D** attaching the DVD mechanism assembly to the chassis base. (See Fig.8.)

3.1.4 Removing the HP terminal board (See Fig.8)

- Remove the metal cover.

Reference:

Remove the front panel assembly as required. (See 3.1.2 "Removing the front panel assembly".)

(1) From the top side of the main body, remove the screw **E** attaching the HP terminal board to the chassis base.
(2) Disconnect the card wires from the connectors CN510 on the HP terminal board. (See Fig.8.)
(3) Take out the HP terminal board from the main body.

Reference:

When attaching the HP terminal board, align the hole on the HP terminal board to the projection **c** of the chassis base before attaching the screw **E**.

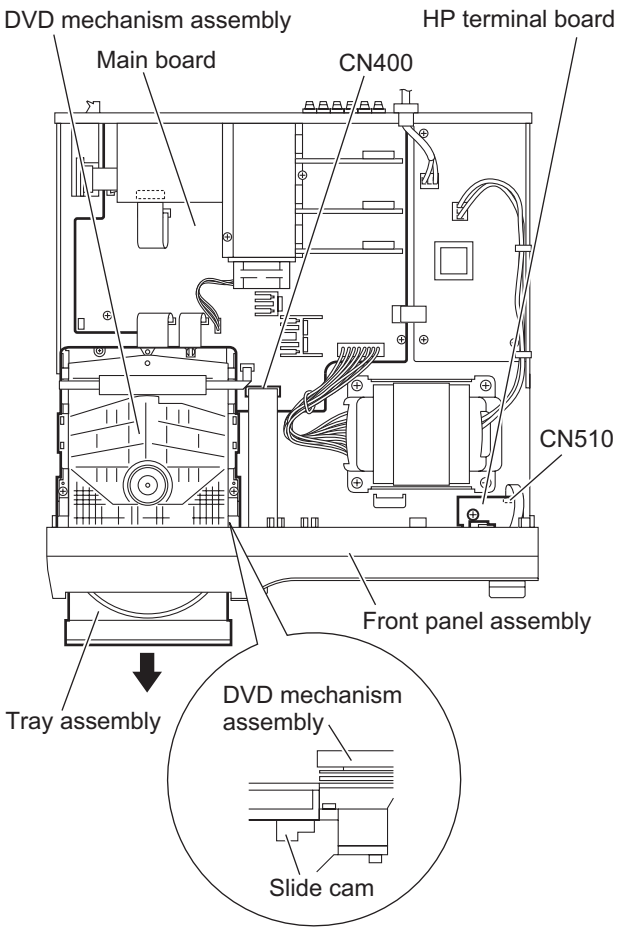


Fig.5

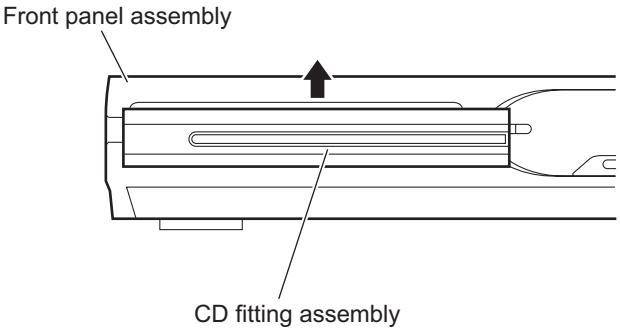


Fig.6

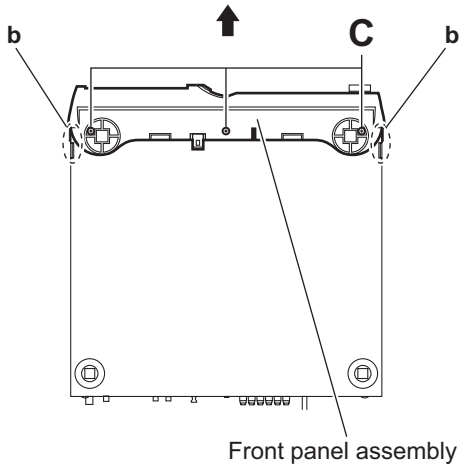

b
C
b
Front panel assembly

Fig.7

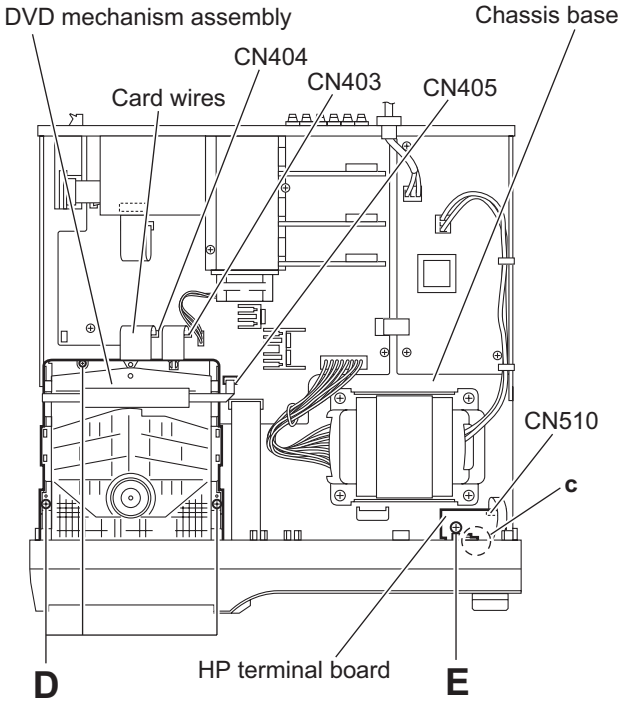

DVD mechanism assembly
Chassis base
CN404
CN403
CN405
Card wires
CN510
c
HP terminal board
D
E

Fig.8

3.1.5 Removing the rear panel (See Fig.9)

- Remove the metal cover.
  (1) From the back side of the main body, remove the strain relief attaching the power cord in the direction of the arrow.
  (2) Remove the seven screws **F** attaching the rear panel to the main body.
  (3) Release the joints **d**, and remove the rear panel from the main body.

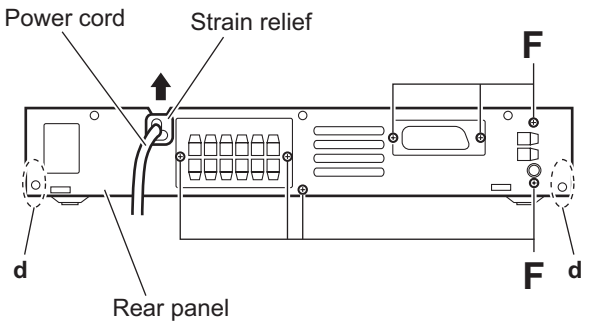


Fig.9

3.1.6 Removing the tuner assembly (See Figs.10 and 11)

- Remove the metal cover.
  (1) From the top side of the main body, disconnect the card wire from the connector CN1 on the tuner assembly. (See Fig.10.)
  (2) From the back side of the main body, remove the two screws **G** attaching the tuner assembly to the rear panel. (See Fig.11.)
  (3) Take out the tuner assembly from the main body.

3.1.7 Removing the scart terminal board (See Figs.10 and 11)

- Remove the metal cover.
  (1) From the top side of the main body, disconnect the card wire from the connector CN300 on the scart terminal board. (See Fig.10.)
  (2) From the back side of the main body, remove the two screws **H** attaching the scart terminal board to the rear panel. (See Fig.11.)
  (3) Take out the scart terminal board from the main body.

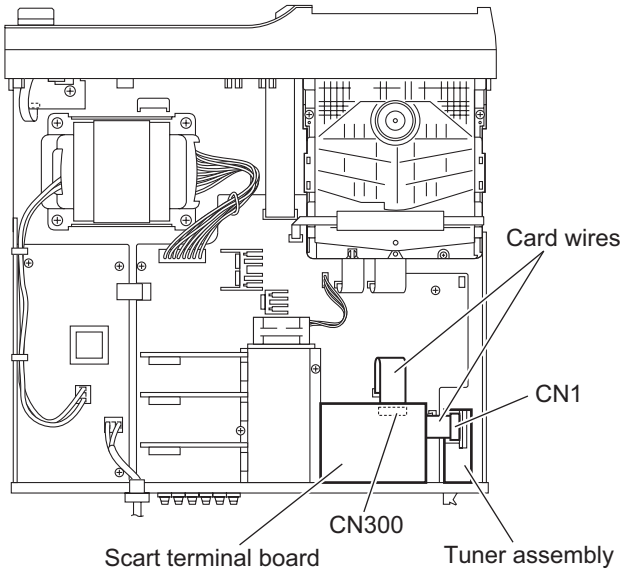


Fig.10

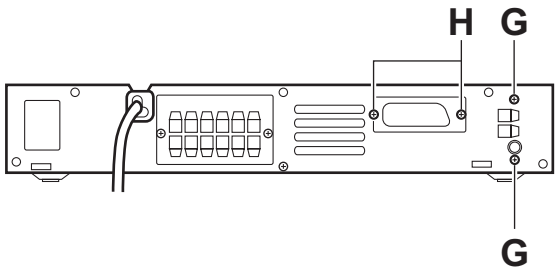


Fig.11

3.1.8 Removing the power amp.boards (See Figs.12 and 13)

- Remove the metal cover and scart terminal board.
  (1) From the top side of the main board, remove the three screws **J** attaching the heat sink. (See Fig.12.)
  (2) Disconnect the wire from the connector CN100 on the main board. (See Fig.8.)
  (3) Disconnect the each power amp.boards connecters from the connectors CN271, CN276, CN281 on the main board. (See Fig.12.)

  Reference:

  When attaching the heat sink with power amp.boards, confirm the connectors CN281, CN276 and CN271 already lock before attaching the screws **J**.

  (4) Take out the heat sink with power amp.boards from the main board. (See Fig.12.)
  (5) Remove the two screws **K**, two screws **M** and two screws **N** attaching the heat sink. (See Fig.13.)
  (6) Remove the each power amp.boards from the heat sink.

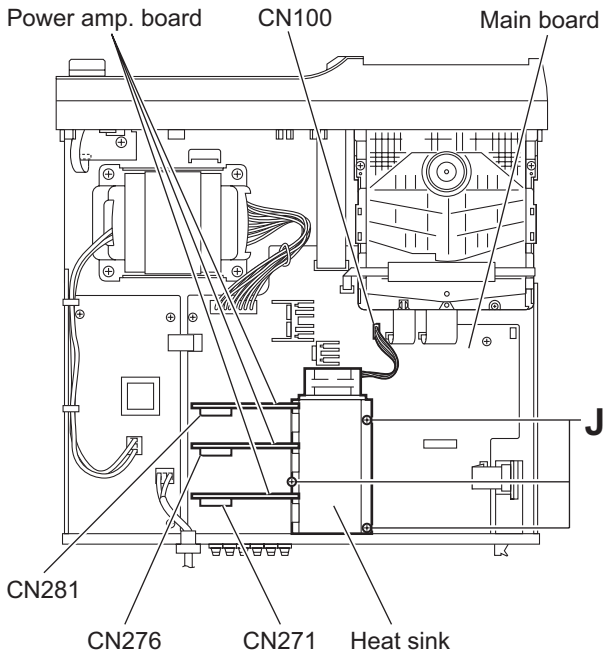


Fig.12

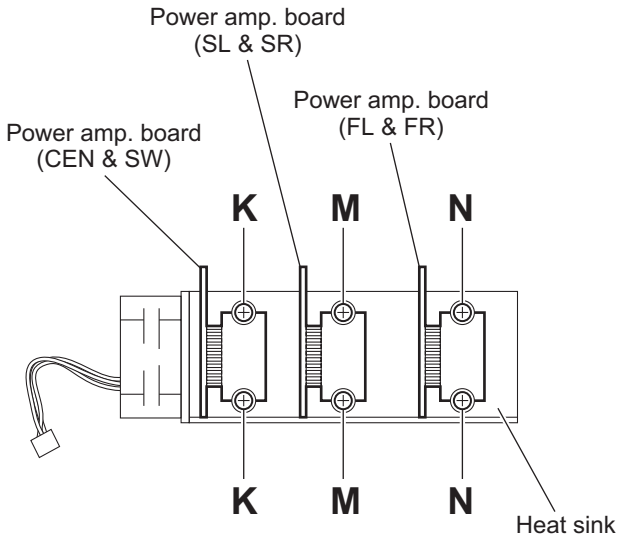


Fig.13

3.1.9 Removing the main board (See Figs.14 and 15)

- Remove the metal cover, scart terminal board and heat sink with power amp. boards.
  (1) From the top side of the main body, disconnect the card wires from the connectors CN400, CN401 and CN403 to CN405, on the main board. (See Fig.14.)
  (2) Disconnect the wires from the connectors CN102, CN950 on the main board. (See Fig.14.)

  Reference:
  After connecting the wires, fix the wires with the wire clamp.
  (3) Remove the two screws **P** attaching the main board to the chassis base. (See Fig.14.)
  (4) From the back side of the main body, remove the two screws **Q** attaching the main board to the rear panel. (See Fig.15.)
  (5) Take out the main board from the main body.

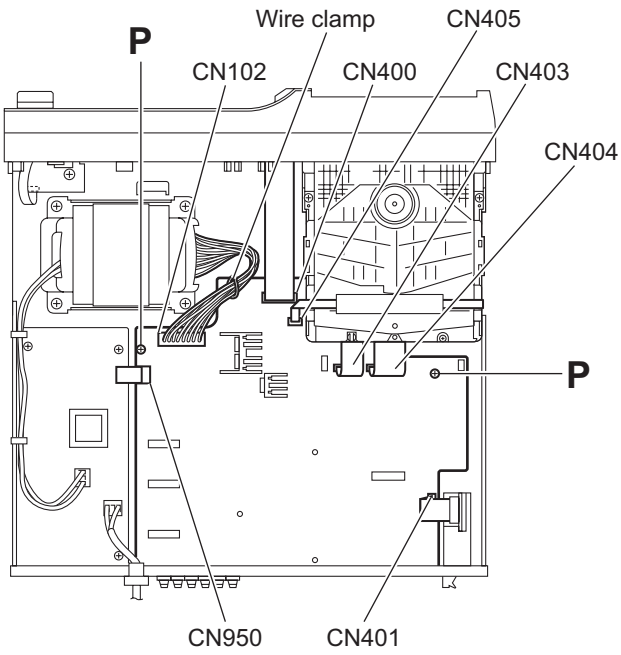


Fig.14

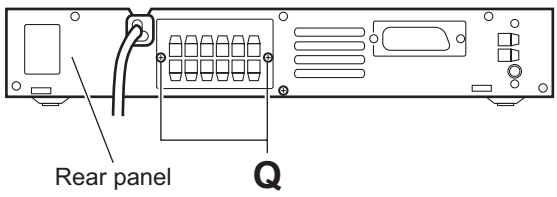


Fig.15

3.1.10 Removing the transformer board (See Fig.16)

- Remove the metal cover.
  (1) From the top side of the main body, disconnect the wires from the connectors CN950, CN952 on the transformer board.
  (2) Disconnect the wires from the connectors CN101 on the main board.
  (3) Remove the three screws **R** attaching the transformer board.
  (4) Take out the transformer board from the main body.

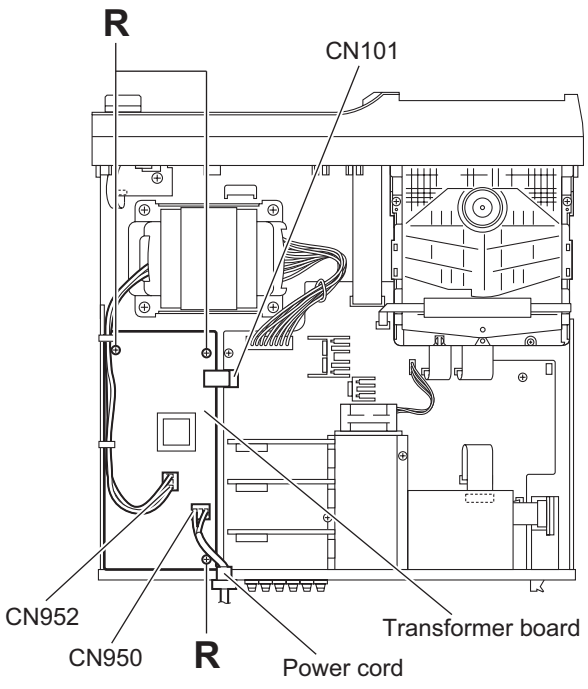


Fig.16

3.1.11 Removing the power transformer (See Fig.17)

- Remove the metal cover.
  (1) From the top side of the main body, remove the tie bands and wire clamp bundling the wires.
  (2) Disconnect the wire from the connector CN952 on the transformer board.
  (3) Disconnect the wire from the connector CN102 on the main board.

  Reference:
  After connecting the wires to the connectors, bundle the wires with the wire clamps and new tie bands as before.
  (4) Remove the four screws **S** and take out the power transformer from the main body.

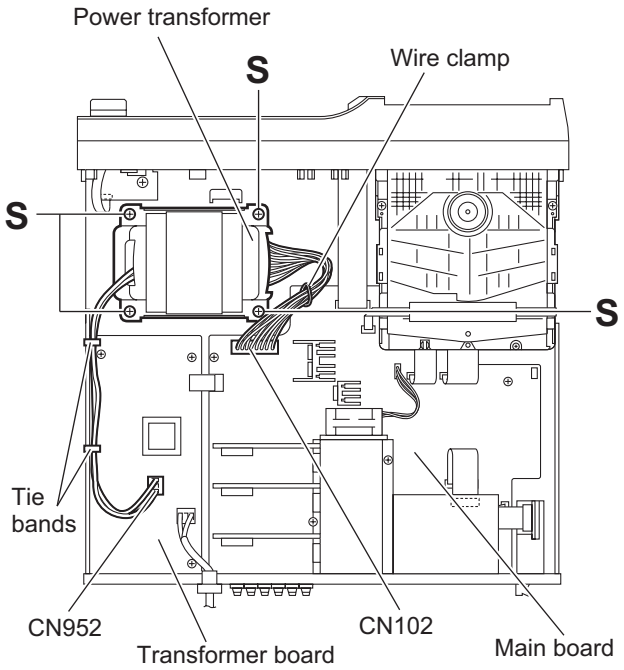


Fig.17

3.1.12 Removing the front board (See Figs.18 and 19)

- Remove the metal cover and front panel assembly.
  (1) From the front side of the front panel assembly, pull out the volume knob in the direction of the arrow. (See Fig.18.)
  (2) From the inside of the front panel assembly, remove the six screws **T** attaching the front board. (See Fig.19.)
  (3) Take out the front board from the front panel assembly.

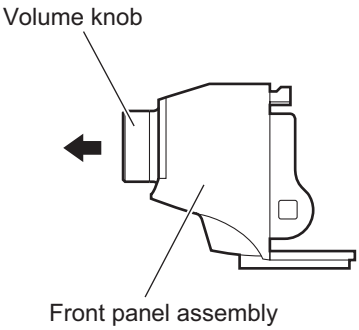


Fig.18

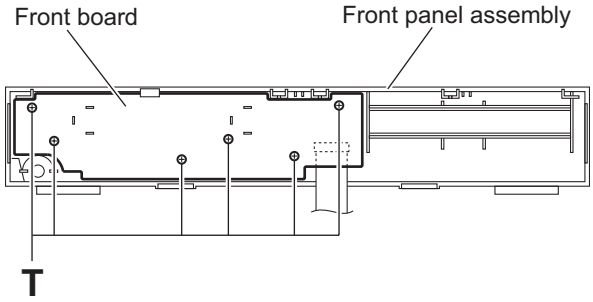


Fig.19

3.2 DVD mechanism section

• Remove the DVD mechanism assembly from the main body.

3.2.1 Removing the traverse mechanism assembly (See Fig.1)

From the bottom side of the DVD mechanism assembly, remove the four screws **A** attaching the traverse mechanism assembly and take out the traverse mechanism assembly with the DVD module board.

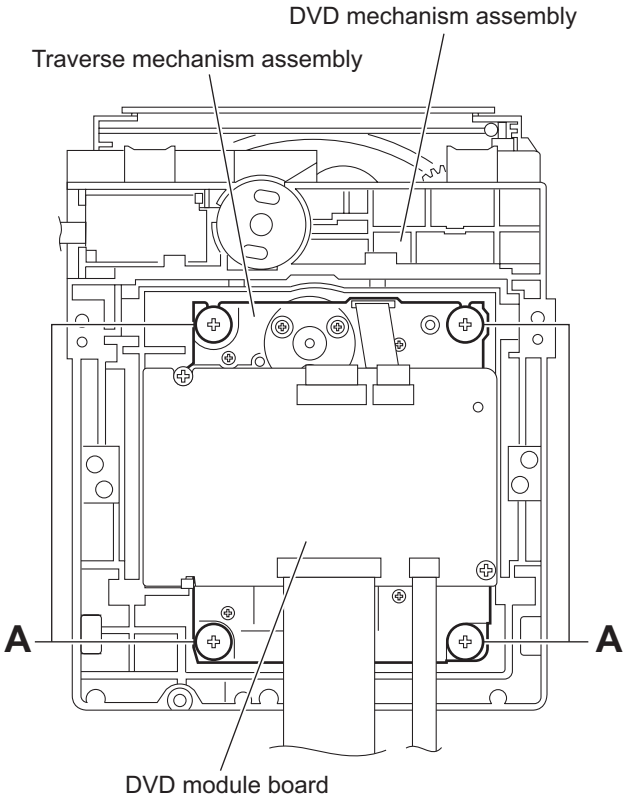


Fig.1

3.2.2 Removing the DVD module board (See Figs.2 and 3)

- Remove the traverse mechanism assembly.
  (1) From the side of the traverse mechanism assembly, solder the short land sections **a** on the DVD pickup. (See Fig.2.)
  (2) From the bottom side of the traverse mechanism assembly, release the lock of the connector CN101 on the DVD module board in the direction of the arrow and disconnect the card wire. (See Fig.3.)

  Caution:
  - Solder the short land sections **a** on the DVD pickup before disconnecting the card wire from the connector CN101 on the DVD module board. If the card wire is disconnected without attaching solder, the DVD pickup may be destroyed by static electricity. (See Figs.2 and 3.)
  - When attaching the DVD module board, be sure to remove solders from the short land sections **a** after connecting the card wire to the connector CN101 on the DVD module board. (See Figs.2 and 3.)

  (3) Disconnect the card wire from the connector CN201 on the DVD module board. (See Fig.3.)
  (4) Remove the two screws **B** attaching the DVD module board. (See Fig.3.)
  (5) Remove the DVD module board from the engagement section **b** in an upward and remove the engagement section **c** in the direction of the arrow. (See Fig.3.)

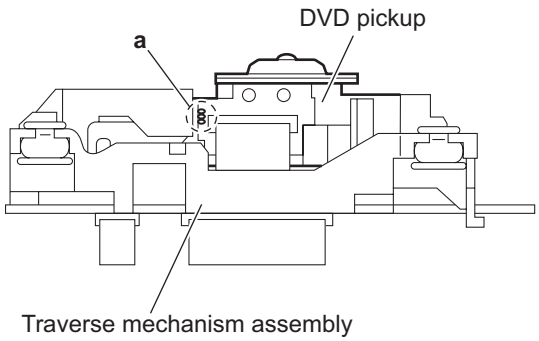


Fig.2

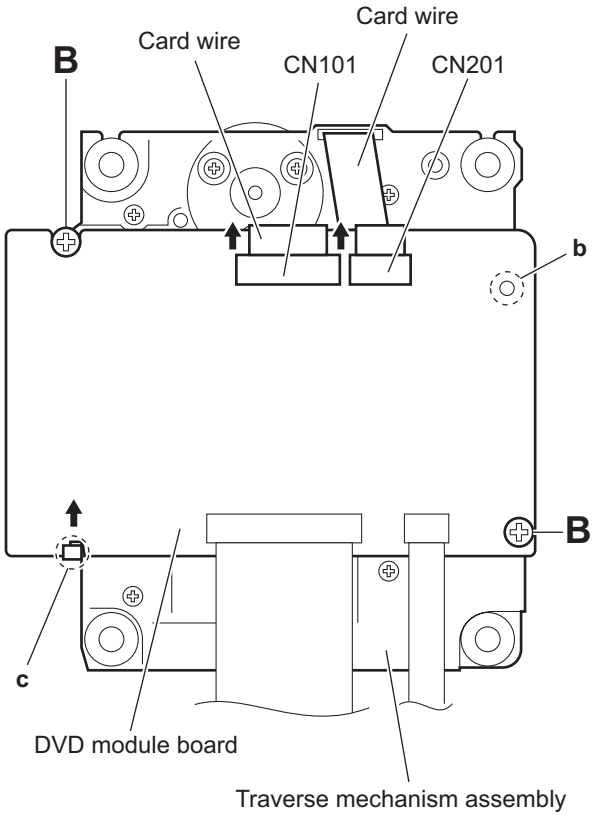


Fig.3

3.2.3 Removing the DVD pickup (See Figs.2,4 to 6)

- Remove the traverse mechanism assembly.
  (1) From the side of the traverse mechanism assembly, solder the short land sections **a** on the DVD pickup. (See Fig.2.)
  (2) Release the lock of the connector on the DVD pickup in the direction of the arrow and disconnect the card wire. (See Fig.4.)

  Caution:
  - Solder the short land sections **a** on the DVD pickup before disconnecting the card wire from the connector on the DVD pickup. If the card wire is disconnected without attaching solder, the DVD pickup may be destroyed by static electricity. (See Figs.2 and 4.)
  - When attaching the DVD pickup, be sure to remove solders from the short land sections **a** after connecting the card wire to the connector on the DVD pickup. (See Figs.2 and 4.)

  (3) Remove the screw **C** and remove the feed bracket from the sections **d**. (See Fig.4.)
  (4) Release the claw **e** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.4.)
  (5) Remove the guide shaft of the DVD pickup from the section **f** on the traverse mechanism assembly and remove the guide shaft from the section **g** while moving it in the direction of the arrow. (See Fig.5.)
  (6) Remove the DVD pickup from the section **h** of the traverse mechanism assembly and take out the DVD pickup with the guide shaft. (See fig.5.)
  (7) From the bottom side of the DVD pickup, remove the two screws **D** attaching the rack arm and rack arm spring. (See Fig.6.)
  (8) Pull the guide shaft out of the DVD pickup. (See Fig.6.)

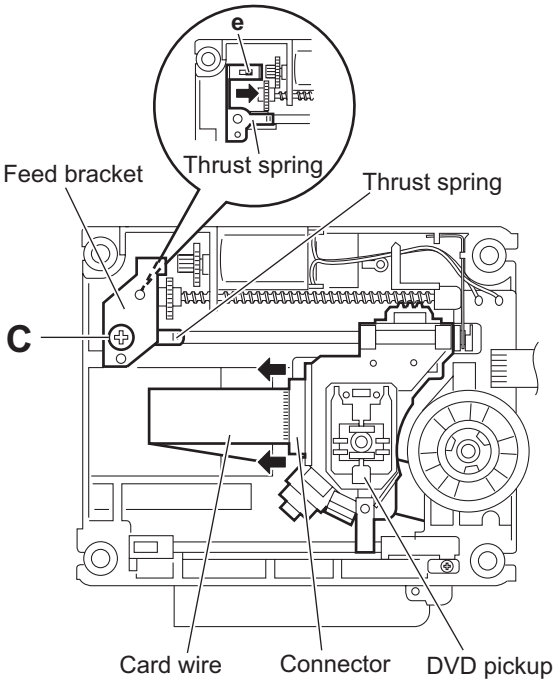


Fig.4

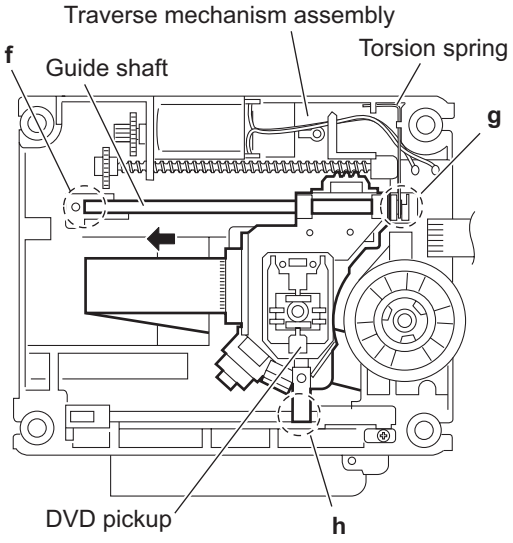


Fig.5

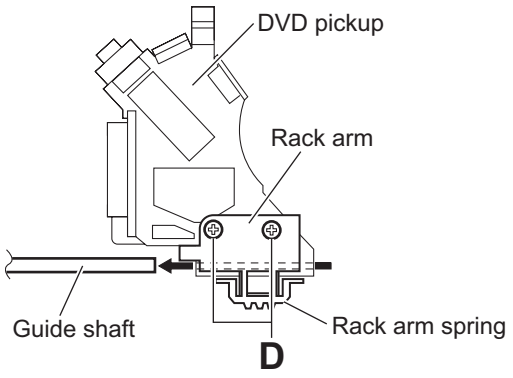


Fig.6

3.2.4 Attaching the DVD pickup (See Figs.2,4 to 7)

- See "3.2.3 Removing the DVD pickup".

(1) Attach the guide shaft, rack arm and rack arm spring to the DVD pickup. (See Fig.6.)

(2) Align the DVD pickup to the section **h** of the traverse mechanism assembly first, and set the both ends of the guide shaft of the DVD pickup in the sections **f** and **g** of the traverse mechanism assembly. (See Fig.5.)

Reference:

When attaching the guide shaft to the section **g**, attach it under the rod spring. (See Fig.5.)

(3) Attach the feed bracket and thrust spring. (See Fig.4.)

(4) Remove solders from the short land sections **a** after connecting the card wire to the connector on the DVD pickup. (See Figs.2 and 4.)

(5) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup fully in the direction of the arrow 2. (See Fig.7.)

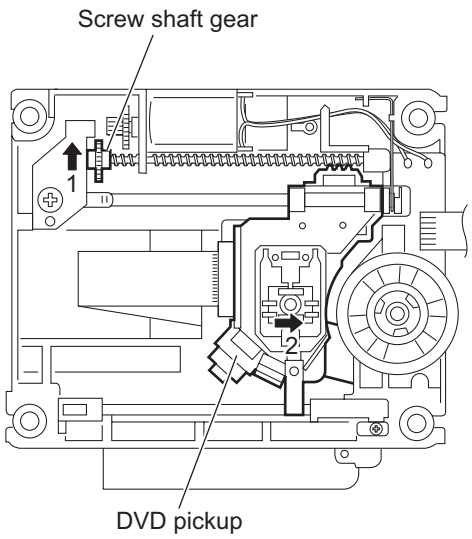


Fig.7

3.2.5 Removing the feed motor (See Figs.4,8 and 9)

- Remove the traverse mechanism assembly.
  (1) From the top side of the traverse mechanism assembly, remove the screw **C** and remove the feed bracket from the sections **d**. (See Fig.4.)
  (2) Release the claw **e** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.4.)
  (3) Remove the wires from the soldered section **j** on the spindle motor board. (See Fig.8.)

  Reference:
  - When attaching the feed motor, pass the wire through the section **k** on the traverse mechanism assembly. (See Fig.8.)
  - Pass the wire through the lower section of the rod spring. (See Fig.8.)

  (4) Remove the screw shaft in the direction of the arrow. (See Fig.8.)
  (5) From the side of the traverse mechanism assembly, remove the screw **E** attaching the feed motor. (See Fig.8.)
  (6) Take out the feed motor from the traverse mechanism assembly.

3.2.6 Removing the spindle motor board (See Figs.8 and 9)

- Remove the traverse mechanism assembly and DVD module board.
  (1) From the top side of the traverse mechanism assembly, remove the wires from the soldered section **j** on the spindle motor board. (See Fig.8.)
  (2) From the bottom side of the traverse mechanism assembly, remove the three screws **F** attaching the spindle motor board. (See Fig.9.)

Reference:
- When attaching the spindle motor board, pass the wire through the section **m** on the traverse mechanism assembly. (See Fig.9.)
- After attaching the screws **F**, apply bond as before.

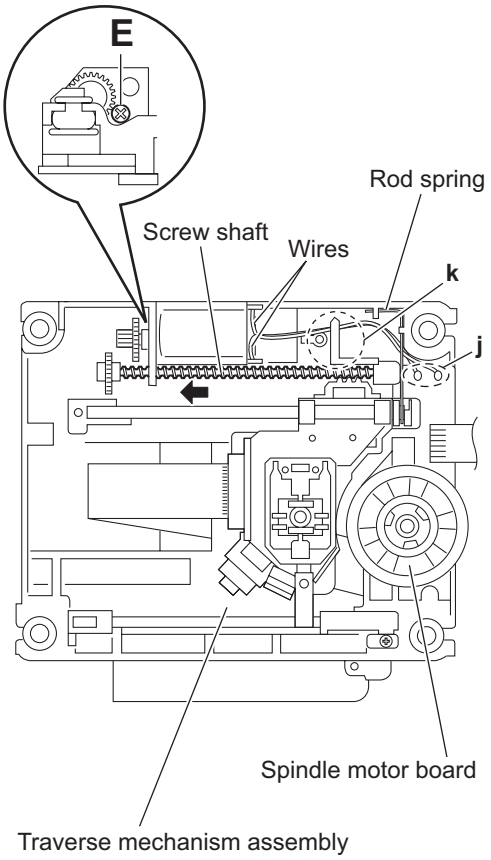


Fig.8

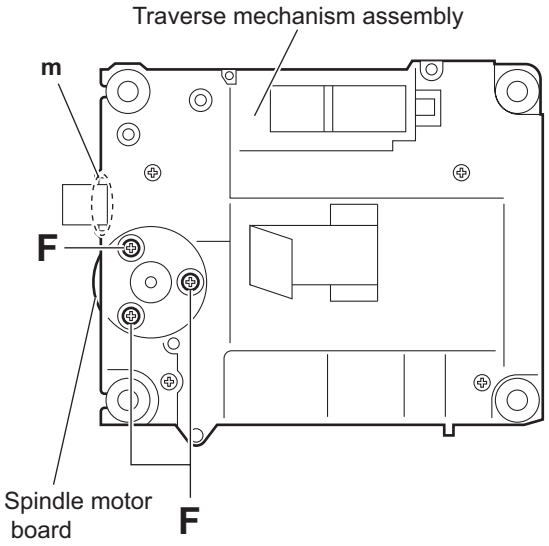


Fig.9

3.2.7 Removing the DVD loading switch board (See Fig.10.)

(1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered sections **n** on the DVD loading switch board.
(2) Remove the screw **G** attaching the DVD loading switch board.
(3) Lift the DVD loading switch board while pressing the claw **p** of the DVD mechanism assembly in the direction of the arrow and remove it from the section **q**.

Reference:

Pass the wires through the section **r** after attaching the DVD loading switch board to the DVD mechanism assembly.

3.2.8 Removing the loading motor (See Figs.10 to 14)

(1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered section **n** on the DVD loading switch board. (See Fig.10.)
(2) Remove the screw **H** attaching the tray assembly. (See Fig.10.)
(3) From the right side of the DVD mechanism assembly, push the slide cam and pull the tray assembly out of the DVD mechanism assembly in the direction of the arrow. (See Fig.11.)
(4) From the top side of the DVD mechanism assembly, remove the two screws **J** attaching the clamper base. (See Fig.12.)
(5) Lift the clamper base in an upward direction to remove it from the engagement sections **s** and remove the engagement sections **t** in the direction of the arrow. (See Fig.12.)
(6) Remove the two screws **K** attaching the tray assembly and take out the tray assembly from the DVD mechanism assembly. (See Fig.13.)
(7) Remove the belt from the motor pulley. (See Fig.14.)

Note:

Take care not to attach grease on the belt.

(8) Remove the two screws **M** attaching the loading motor to the DVD mechanism assembly and take out the loading motor from the bottom side of the DVD mechanism assembly. (See Fig.14.)

Reference:

Pass the wires through the section **r** after attaching the loading motor to the DVD mechanism assembly. (See Fig.10.)

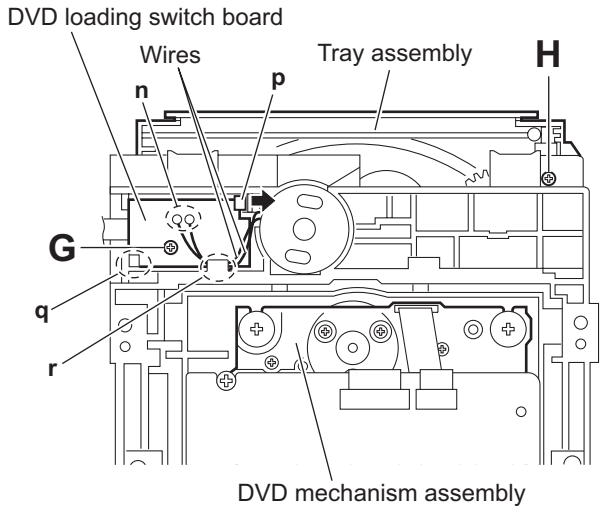


Fig.10

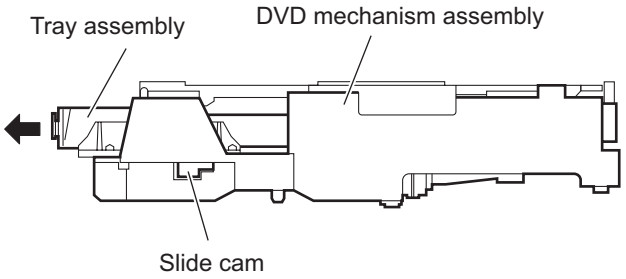


Fig.11

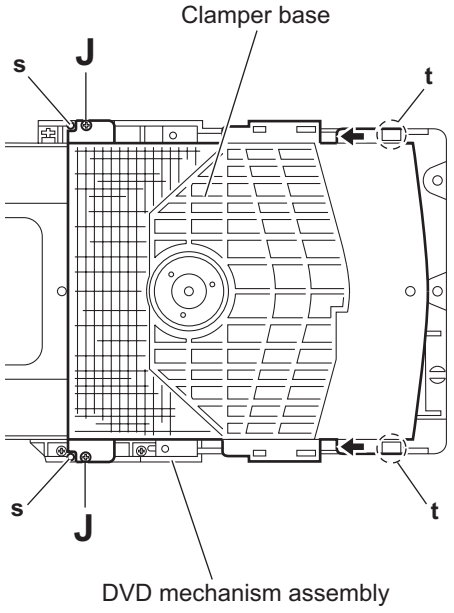


Fig.12

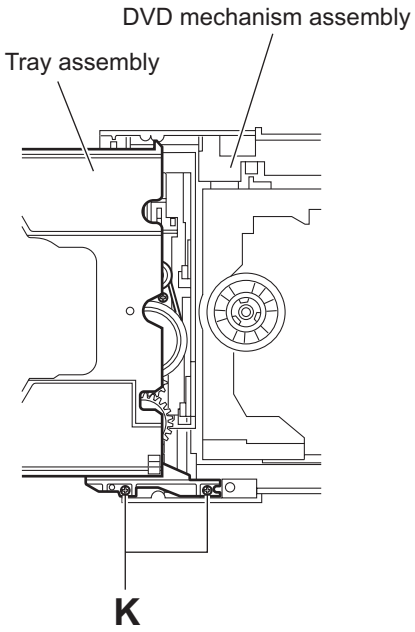

DVD mechanism assembly
Tray assembly
K

Fig.13

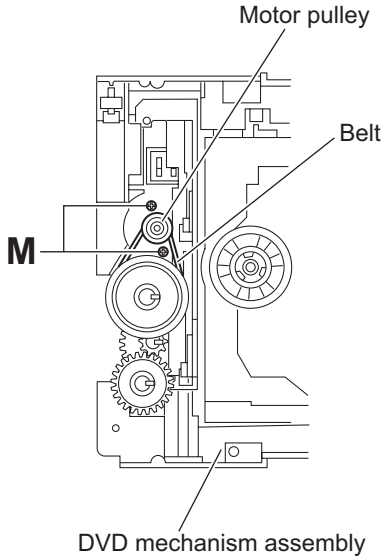

Motor pulley
Belt
M
DVD mechanism assembly

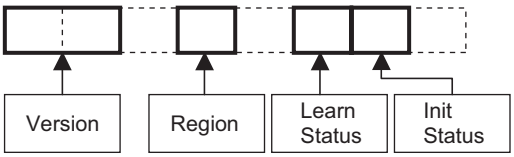
Fig.14

SECTION 4
ADJUSTMENT

4.1 TH-S33 and TH-S11 TEST MODE

This player has a TEST MODE for product QC, service or repair.
Contents as follows. If the DVD TRAY is not completely closed, supply AC power and press POWER ON to close the TRAY.
After confirm that the TRAY is completely closed go to standby.
Once LED lights up, pull off the power plug. Reinsert the AC power plug to the outlet while pressing,"POWER" and "STOP" button at the front panel of the set.
TEST MODE has the 7 different steps. Press MENU key on the remote control to change the steps.
TEST MODE is canceled by the POWER key.

STEP 1:



Version & Region explanation. Refer to next page.

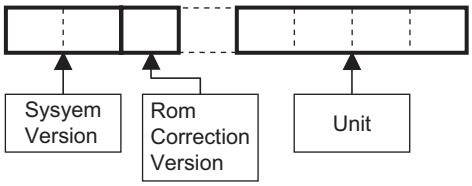
Learn Status
Bit 0 - already learn DVD Bit 1 - already learn CD Bit 2 - already checked BCA area

Init Status
0x00 - normal init 0x01 - all init (above + FE) 0xFF - not yet init

Region
0 - RF 1 - USA, Canada 2 - Europe, Middle East, Japan, South Africa 3 - S.Korea, Taiwan, HK, ASEAN 4 - Australia, NZ, Latin America 5 - Ex-Soviets, Indian sub-continent, Africa 6 - China 7 - Reserved 8 - International territory (airplanes, cruise ship, etc.)

STEP 2:
CPRM checksum (If Device key not input - FFFF)

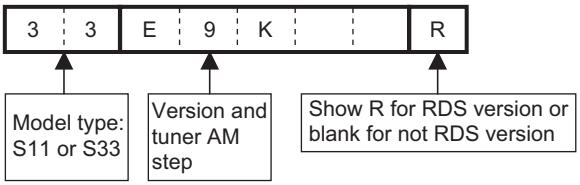
STEP 3:



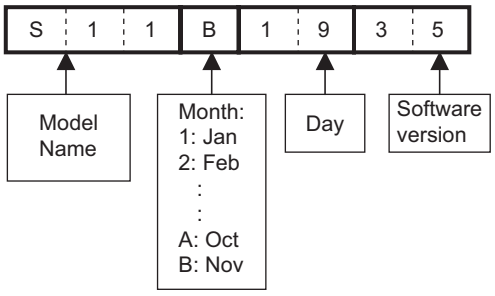
STEP 4:
Indicator check mode. All FL segment light up.

STEP 5:
Mechanism check mode. In this mode player displays "CHECK".

STEP 6:



STEP 7:
System micon version



How to repair after carried out full-initialize

(1) Learning DVD
playback VT-501
(2) Learning CD
playback CTS-1000
(3) standby mode (push power key)
(4) Checking BCA
insert V-2805
test mode (press POWER and STOP button together during AC power plug in)
check mode (press menu key of remote controller)
BCA check (press +10 key of remote controller)
FL indication change "0000 0000" to "0000 0001" and Disc auto stop
(5) standby mode (push power key)

Rating Source, Region Code

Area Code	Video Signal	Rating Source Rating Frequency	FL indicate of Area Code in Test mode	Region Code
B/E/EN/EV	PAL	AC230V 50Hz	E	2
EE	NTSC	AC230V 50Hz	EE	5
J/C	NTSC/PAL	AC120V 60Hz	JC	1
UJ		AC110,127,220,230-240V 50/60Hz	1U	1
US/UN		AC110,127,220,230-240V 50/60Hz	3U	3
UB		AC220V 50Hz	UB	3
UT		AC110,127,220,230-240V 50/60Hz	UT	3
UF/UFC		AC220V 50Hz	UF	6
UW/UY		AC110,127,220,230-240V 50/60Hz	4U	4
UX/UG		AC110,127,220,230-240V 50/60Hz	2U	2
A		AC240V 50Hz	4U	4

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB393)

Printed in Japan
VPT

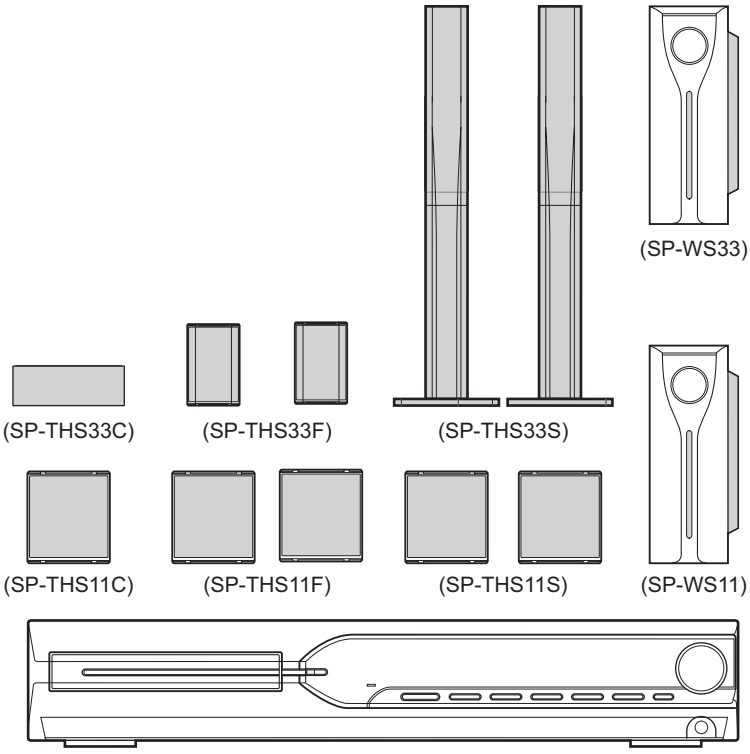
JVC

SCHEMATIC DIAGRAMS

DVD DIGITAL CINEMA SYSTEM

TH-S33,TH-S11

CD-ROM No.SML200505



Area suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE -------- Russian Federation

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagram ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-11 to 13

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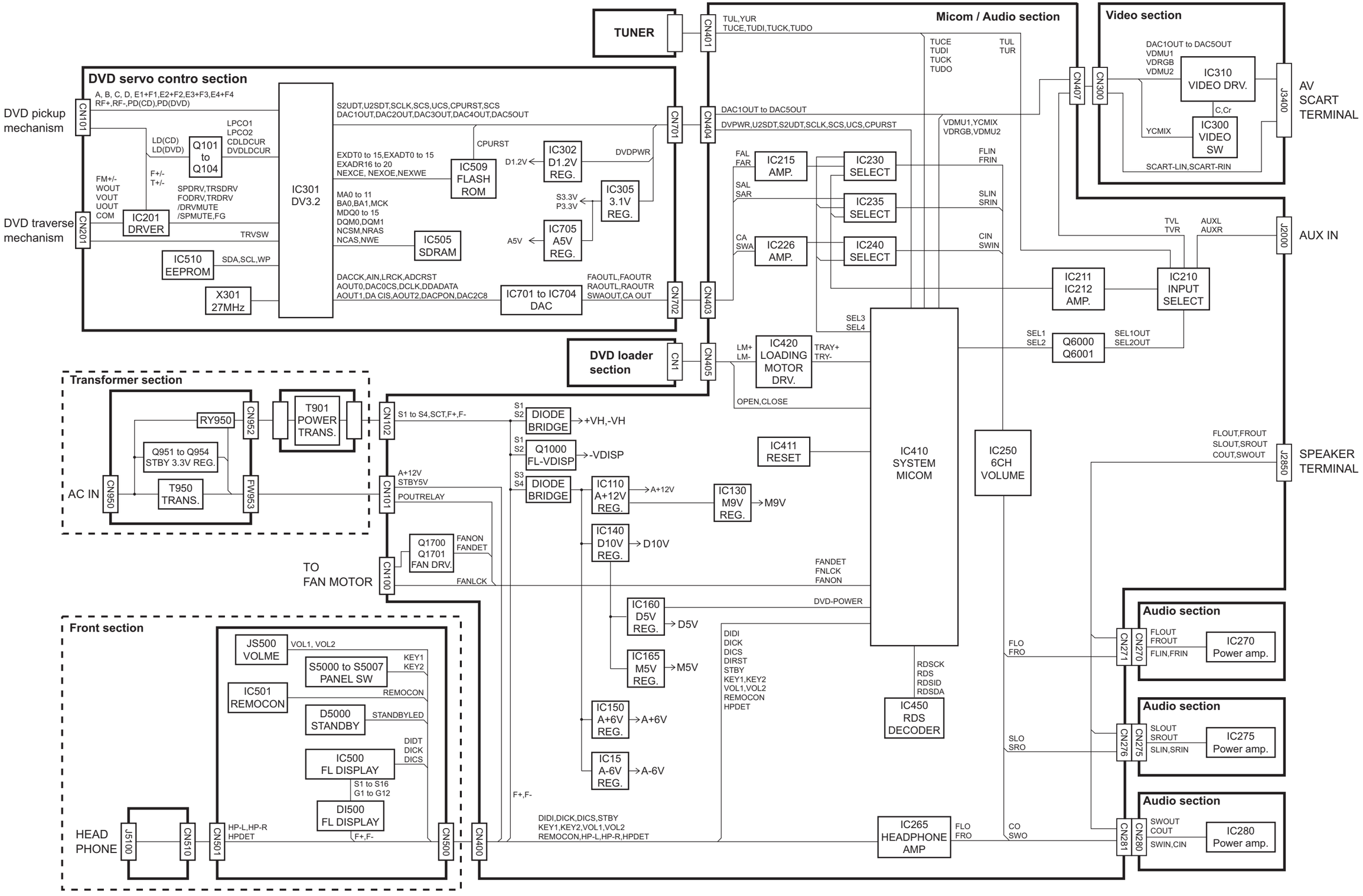
No.MB393SCH
2005/5

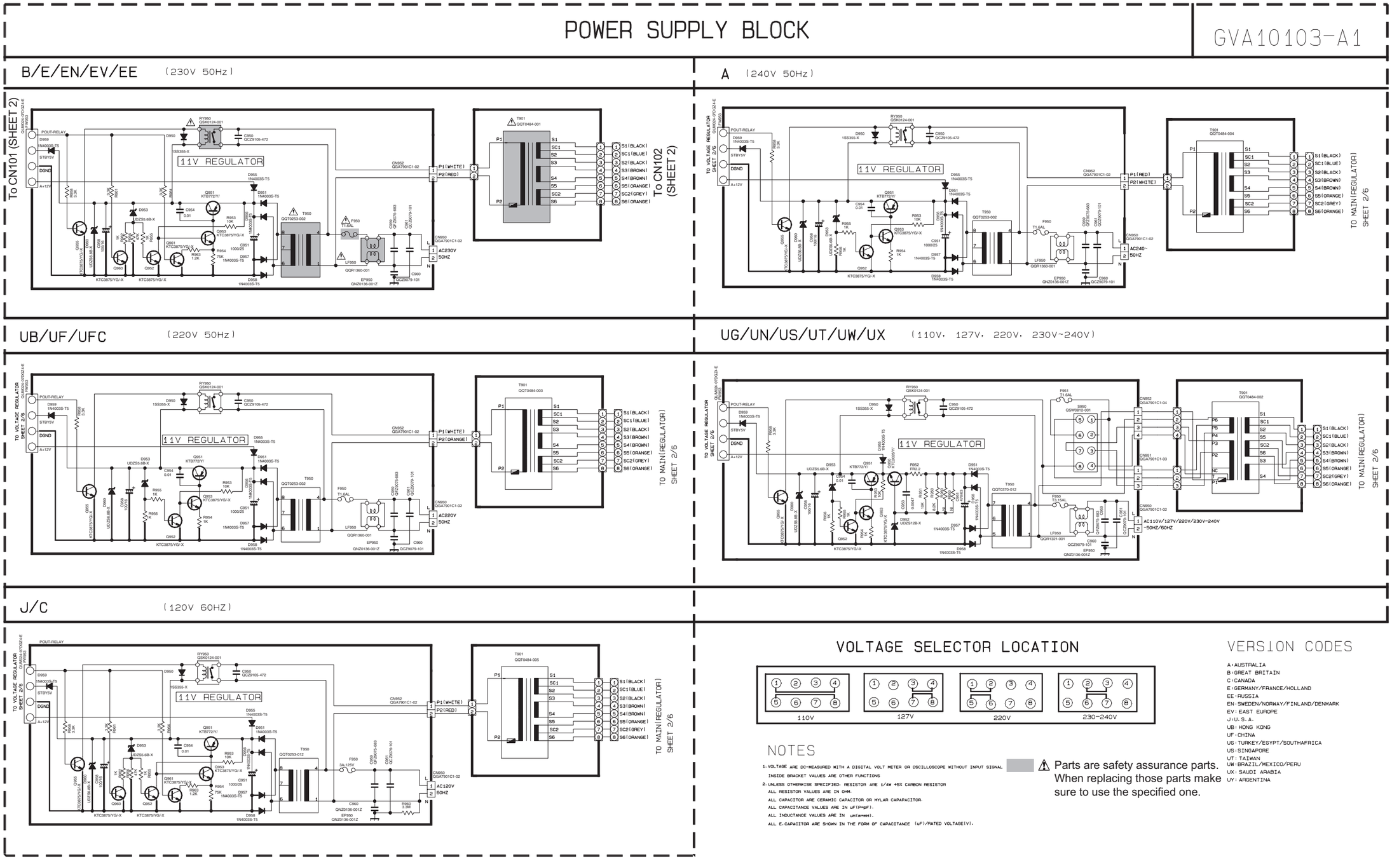
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

Block diagram

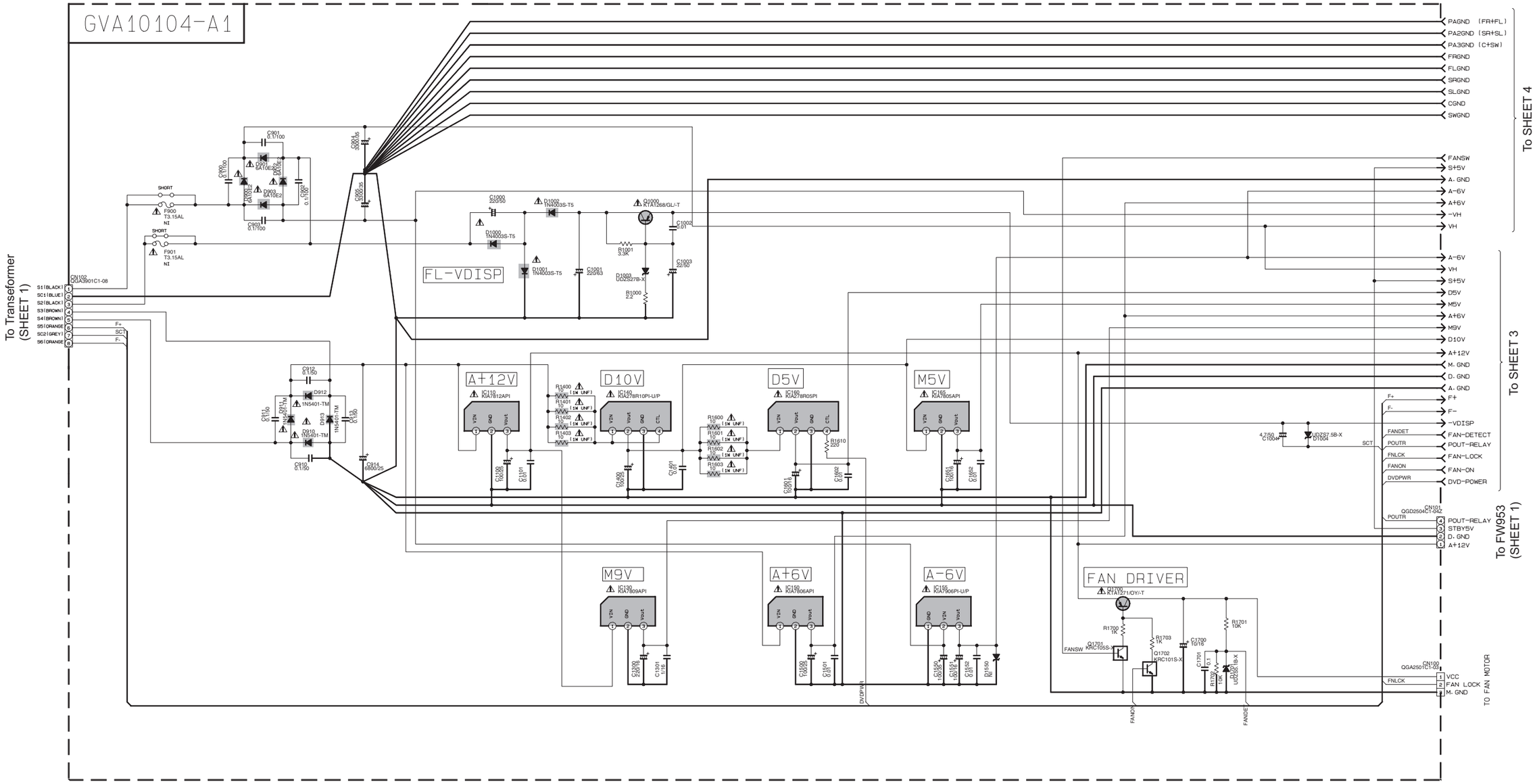


Standard schematic diagrams

■ Transformer section



■ Regulator section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN #F(P=pF).
   ALL INDUCTANCE VALUES ARE IN # H(m=mH).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

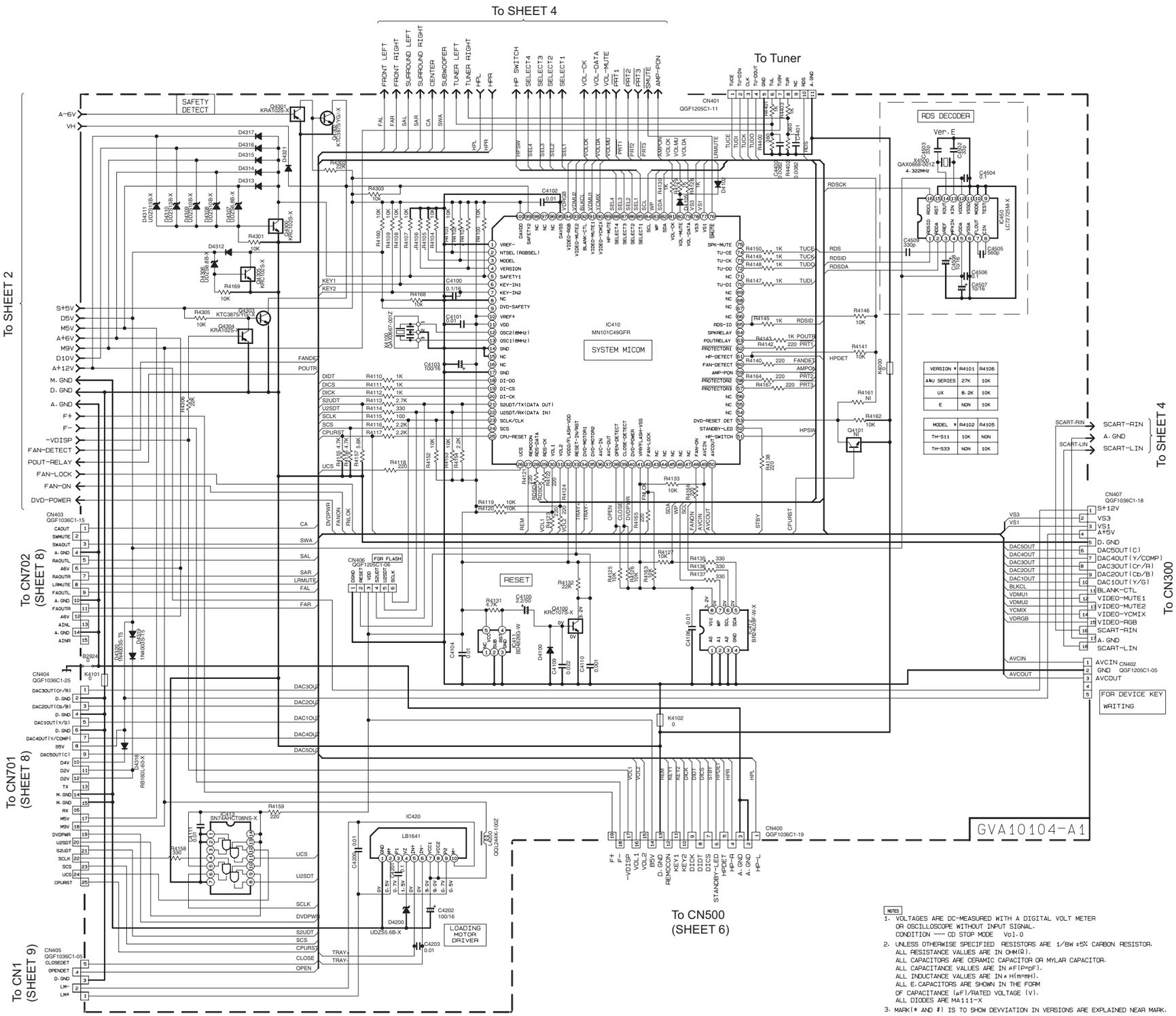
KRC101S-X

KRC105S-X

⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

SHEET 2

■ Micon section



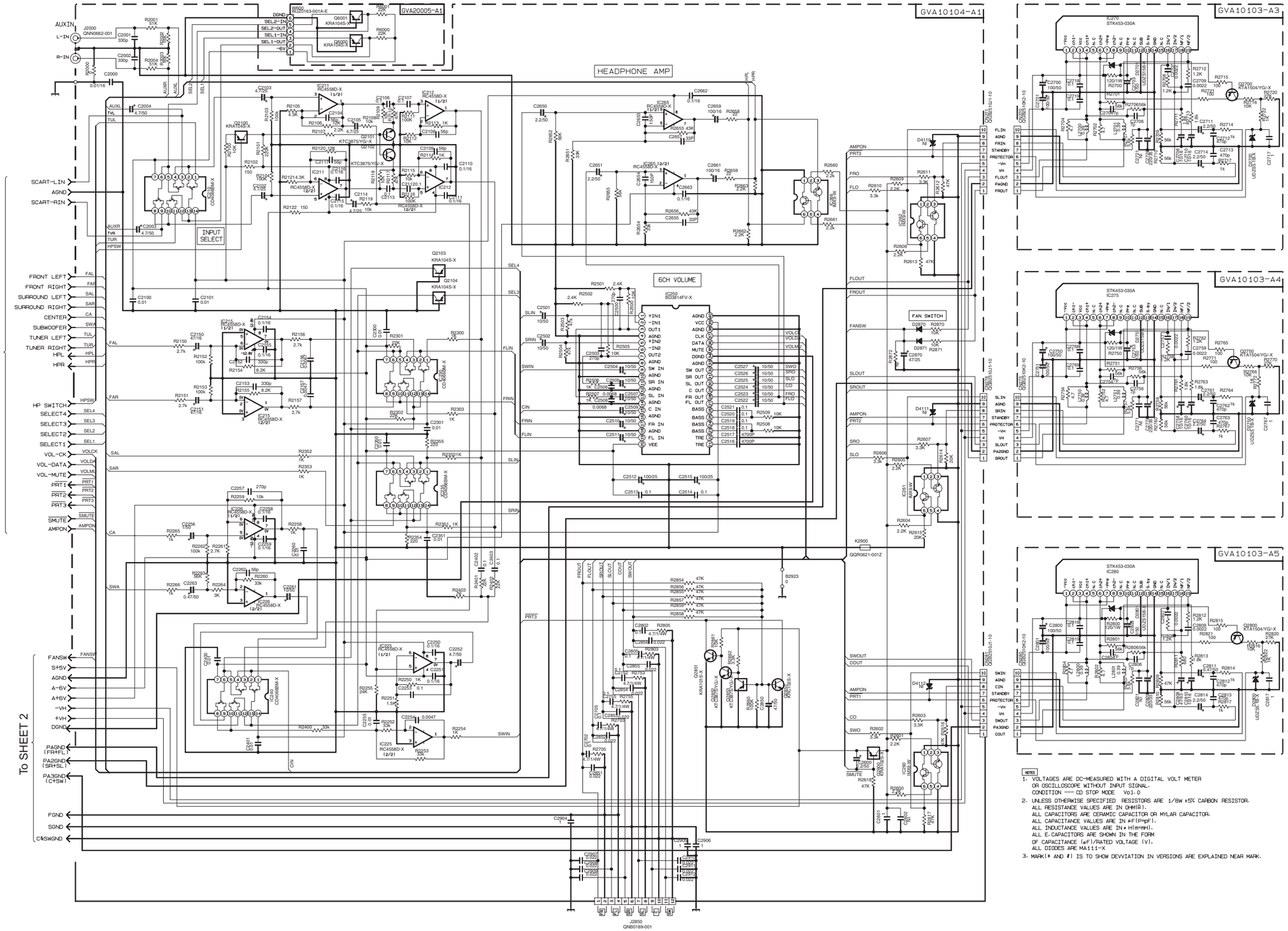
VERSION #	R4101	R4106
AMU SERIES	27K	10K
UX	8.2K	10K
E	NON	10K

MODEL #	R4102	R4105
TH-S11	10K	NON
TH-S33	NON	10K

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

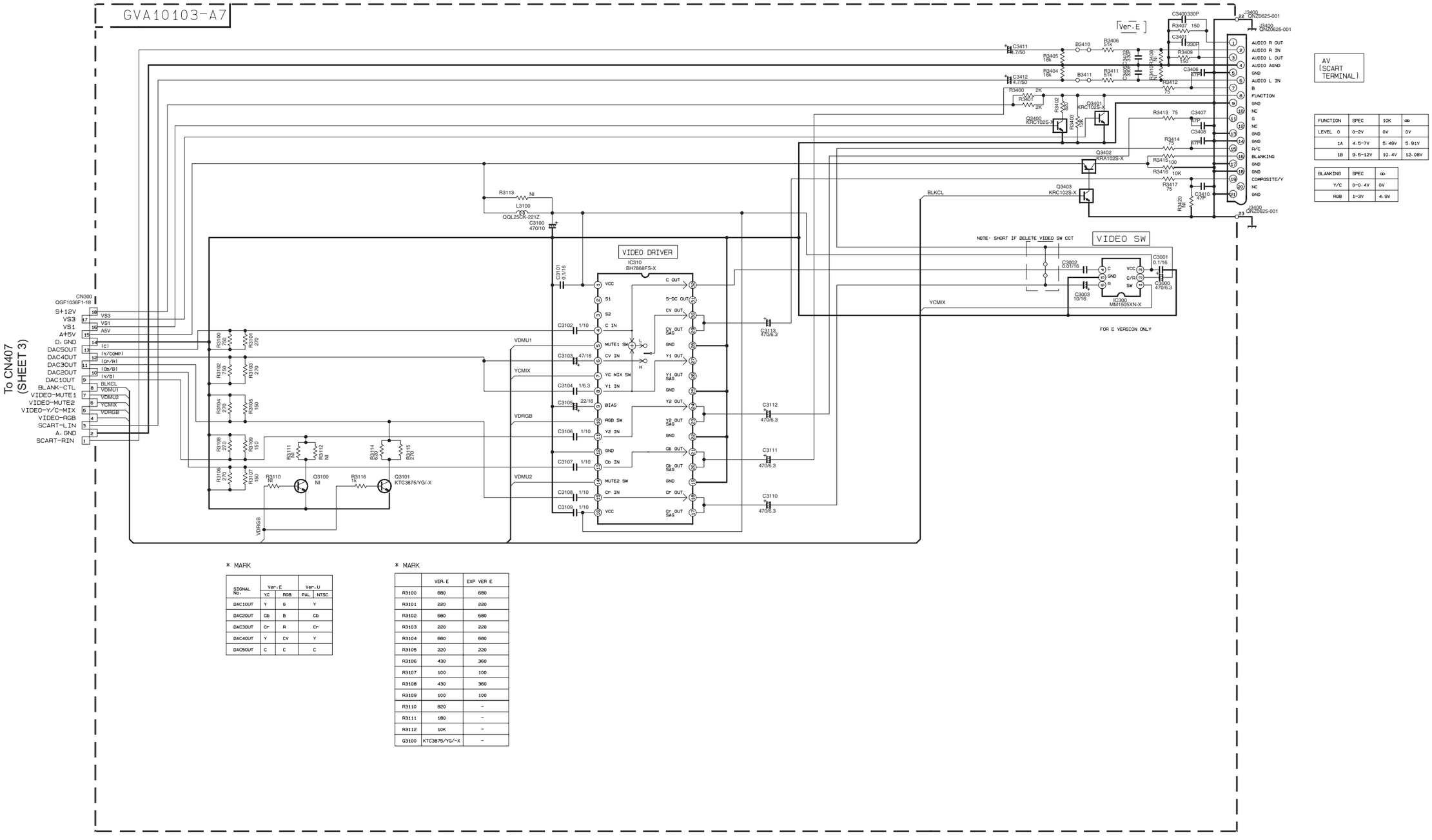
SHEET 3

■ Audio section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

■ Video section



FUNCTION	SPEC	10K	∞
LEVEL 0	0~2V	0V	0V
1A	4.5~7V	5.49V	5.91V
1B	9.5~12V	10.4V	12.08V

BLANKING	SPEC	∞
Y/C	0~0.4V	0V
RGB	1~3V	4.9V

* MARK

SIGNAL No.	Ver.E		Ver.U	
	YC	RGB	PAL	NTSC
DAC1OUT	Y	G	Y	
DAC2OUT	Cb	B	Cb	
DAC3OUT	Cr	R	Cr	
DAC4OUT	Y	CV	Y	
DAC5OUT	C	C	C	

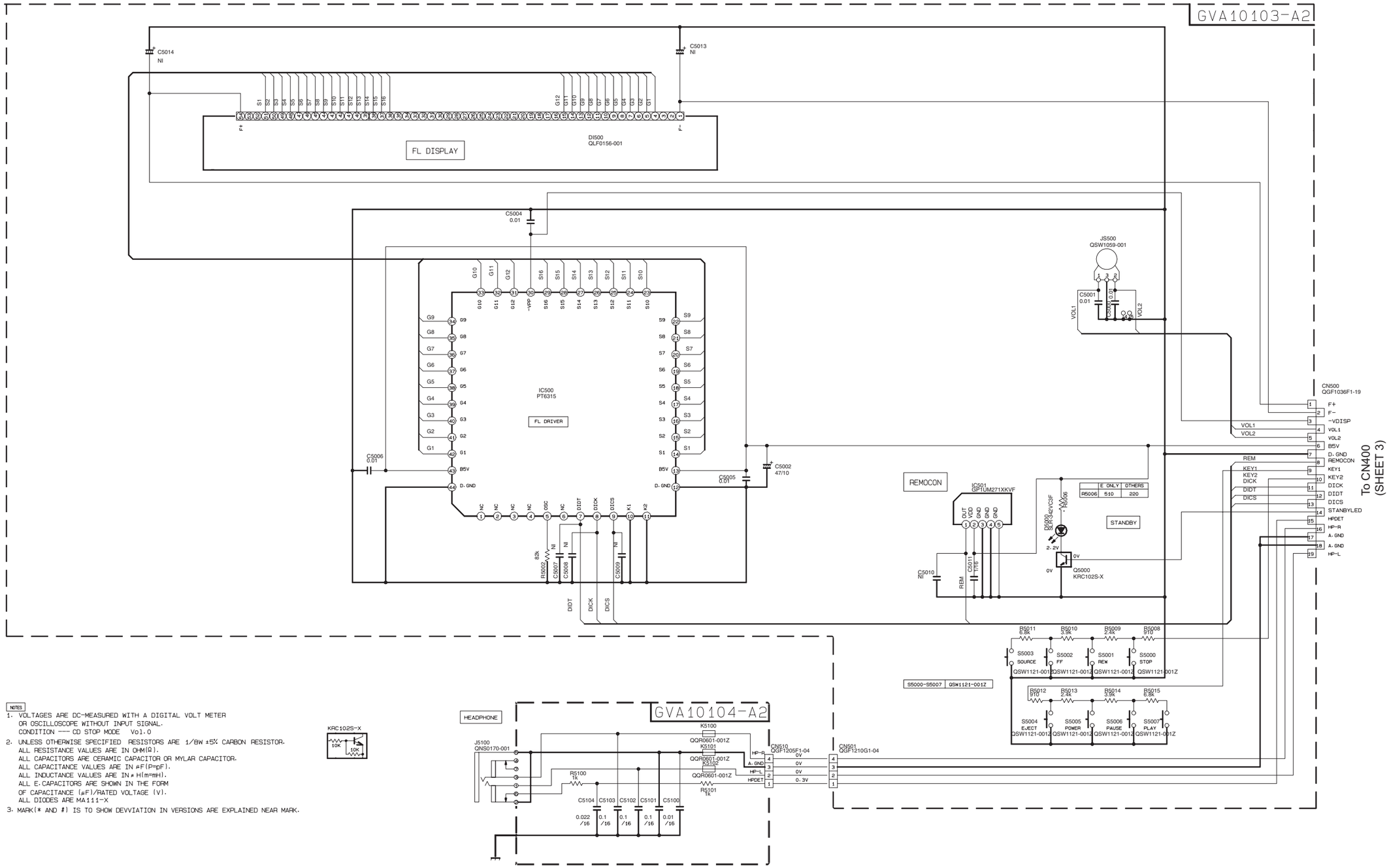
* MARK

	VER.E	EXP VER E
R3100	680	680
R3101	220	220
R3102	680	680
R3103	220	220
R3104	680	680
R3105	220	220
R3106	430	360
R3107	100	100
R3108	430	360
R3109	100	100
R3110	820	-
R3111	180	-
R3112	10K	-
Q3100	KTC3875/YG/-X	-

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN ≠ H(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

SHEET 5

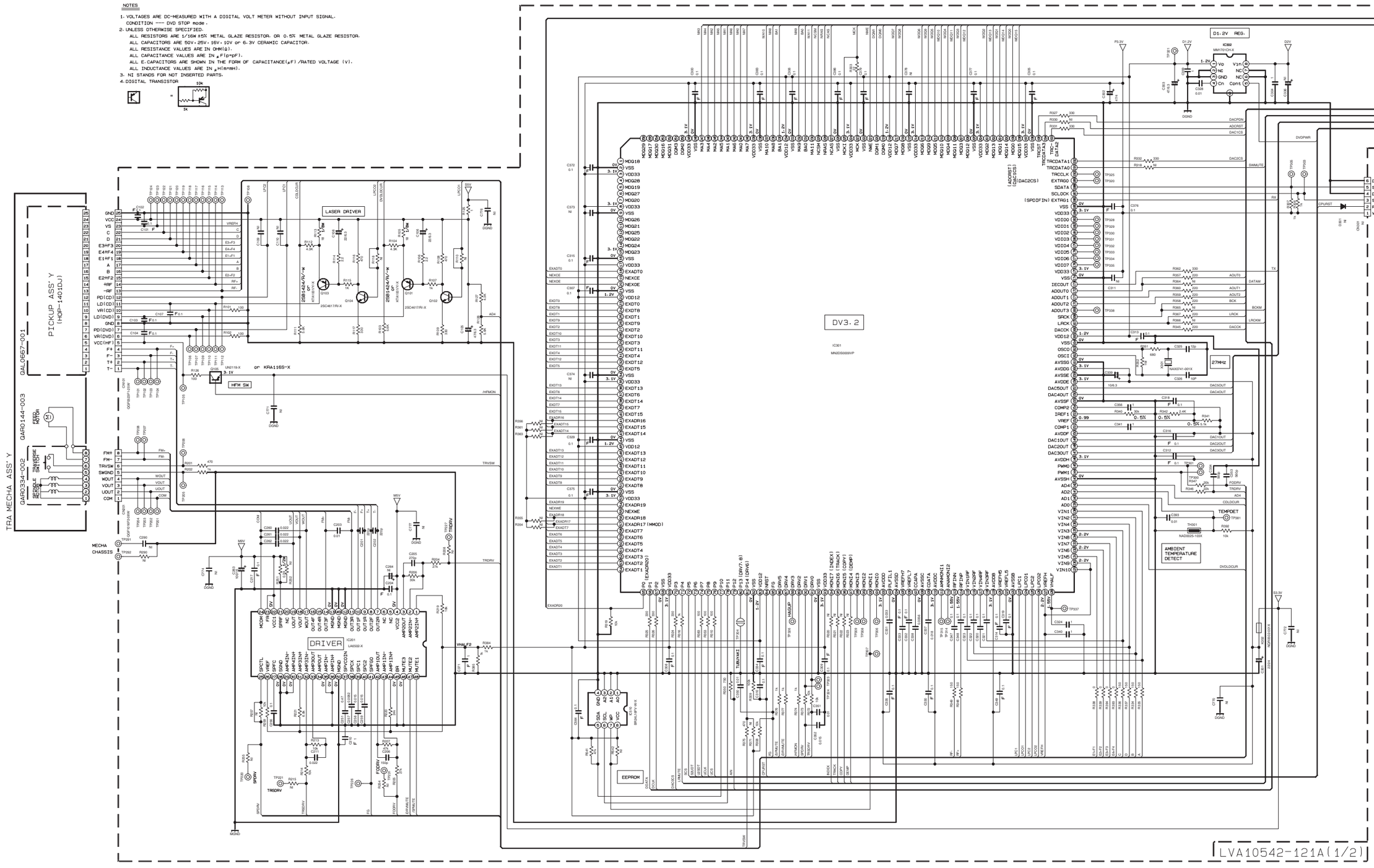
■ Front section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

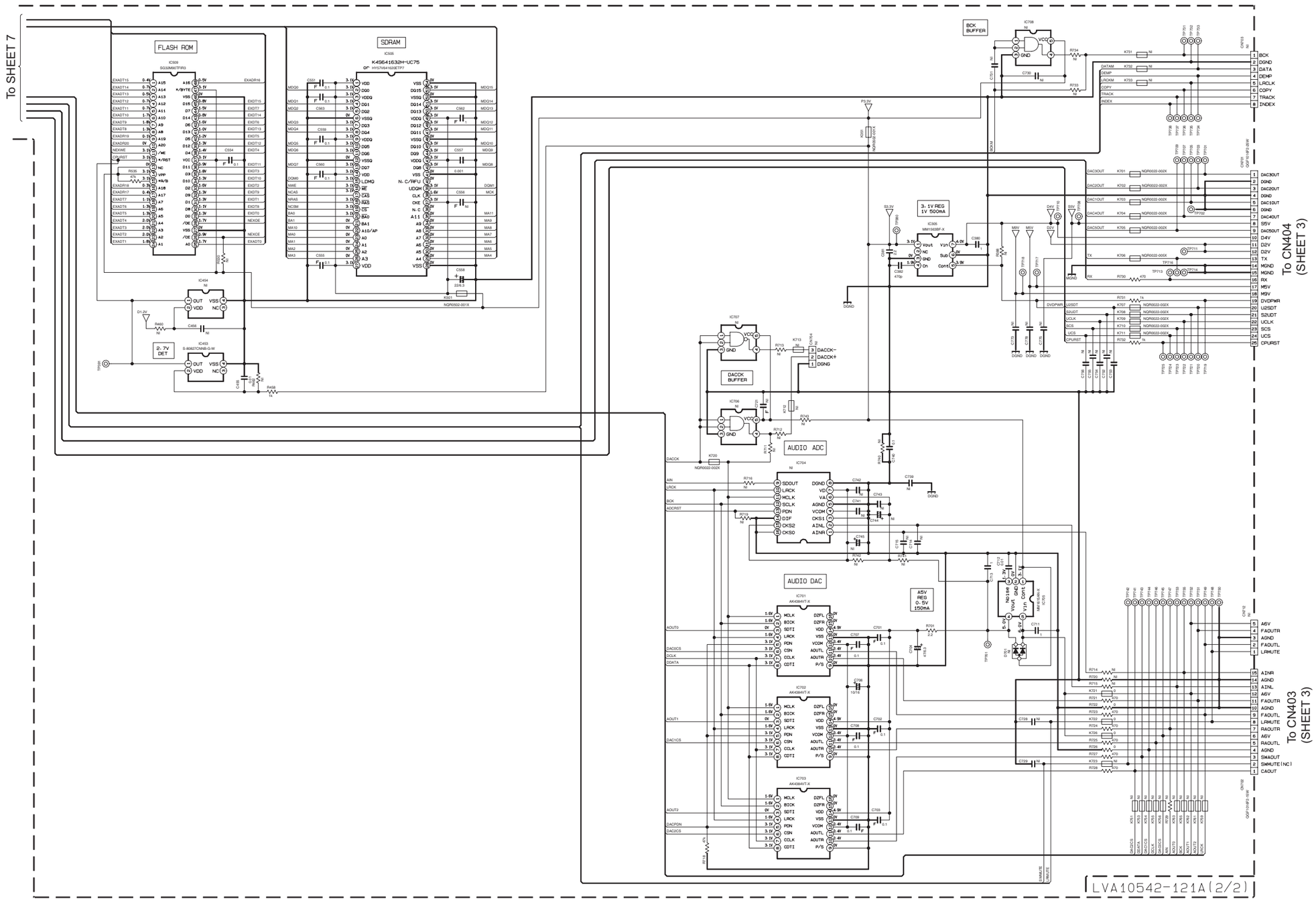
KRC102S-X

■ DVD servo control section (1/2)



SHEET 7

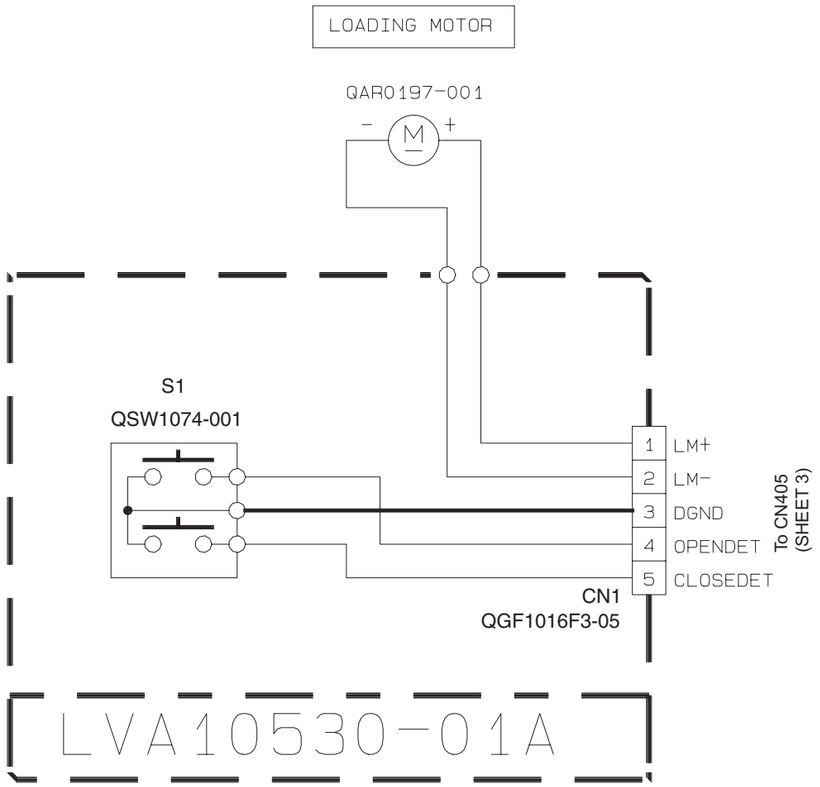
■ DVD servo control section (2/2)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ---- DVD STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

SHEET 8


LOADING MOTOR
QAR0197-001
M
S1
QSW1074-001
1 LM+
2 LM−
3 DGND
4 OPENDET
5 CLOSEDET
To CN405
(SHEET 3)
CN1
QGF1016F3-05
LVA10530-01A

< MEMO >

SHEET 9

Printed circuit boards

■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

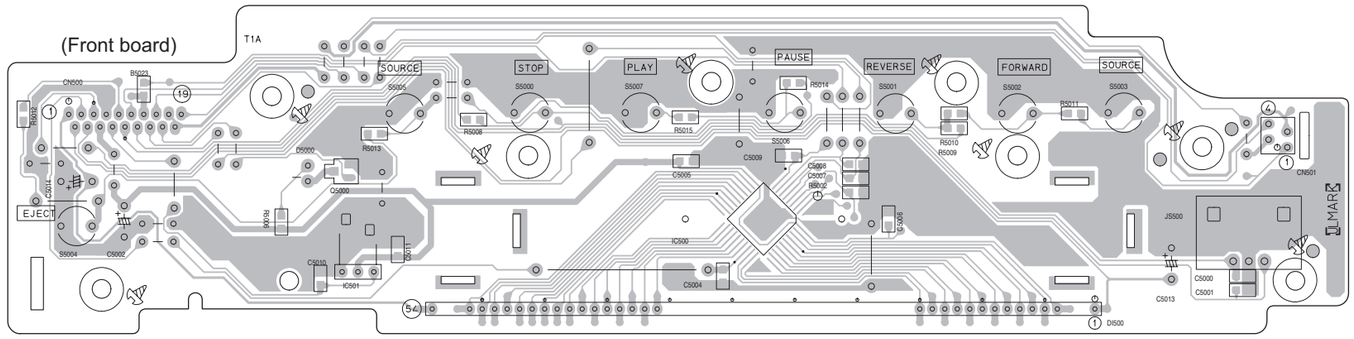
(Main board)

(HP terminal board)

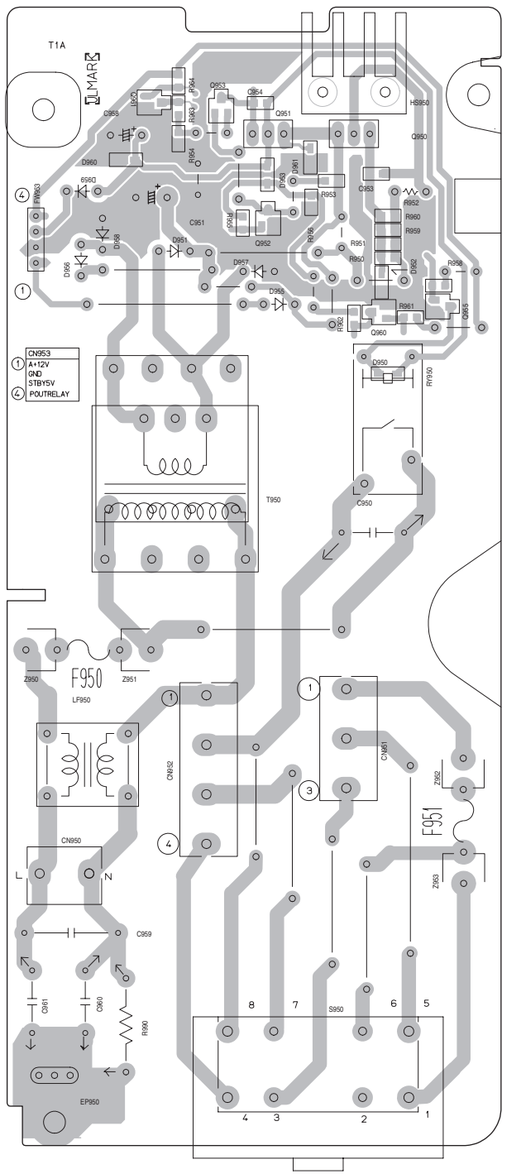
■ Trans board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Front board)



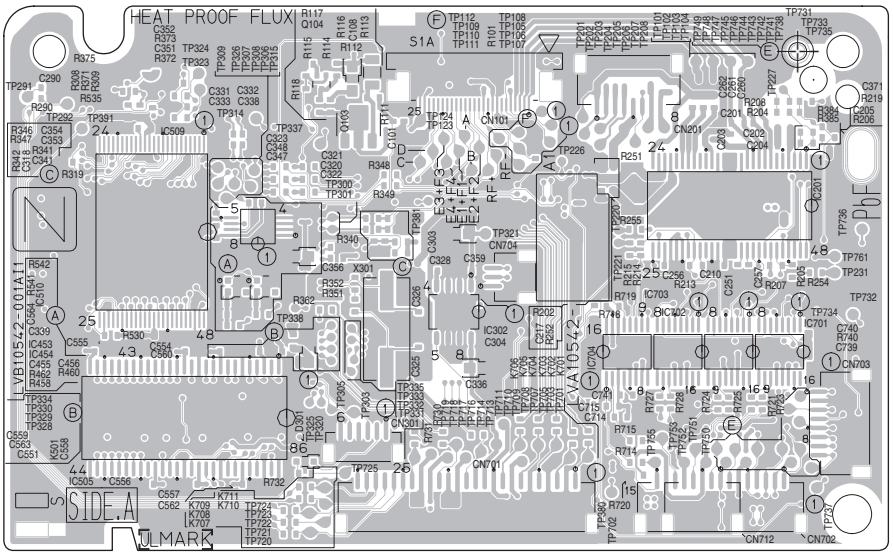
(Transformer board)



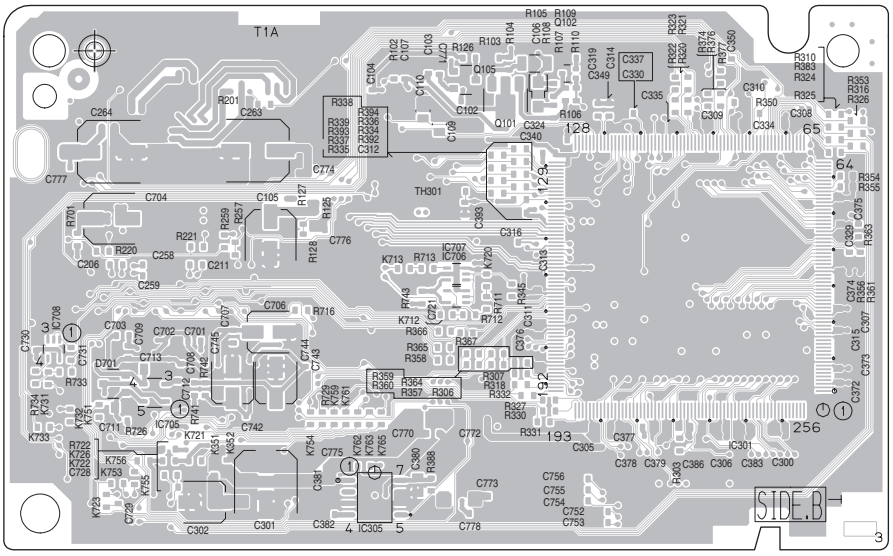
■ DVD servo control board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

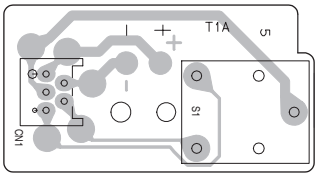


Reverse side



■ DVD loading switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB393SCH)

Printed in Japan
VPT

PARTS LIST

[TH-S33] [TH-S11]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

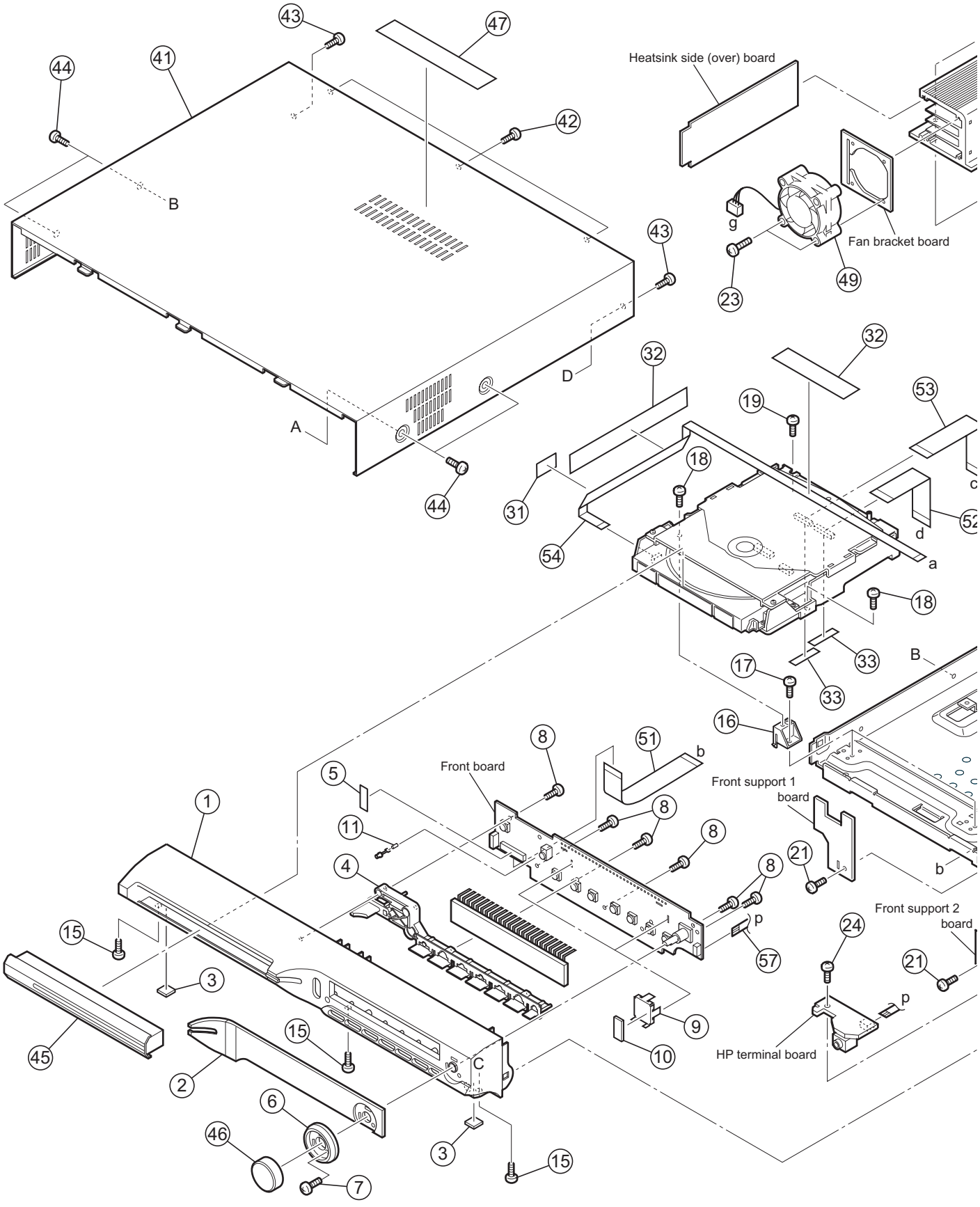
B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE ---------- Russian Federation

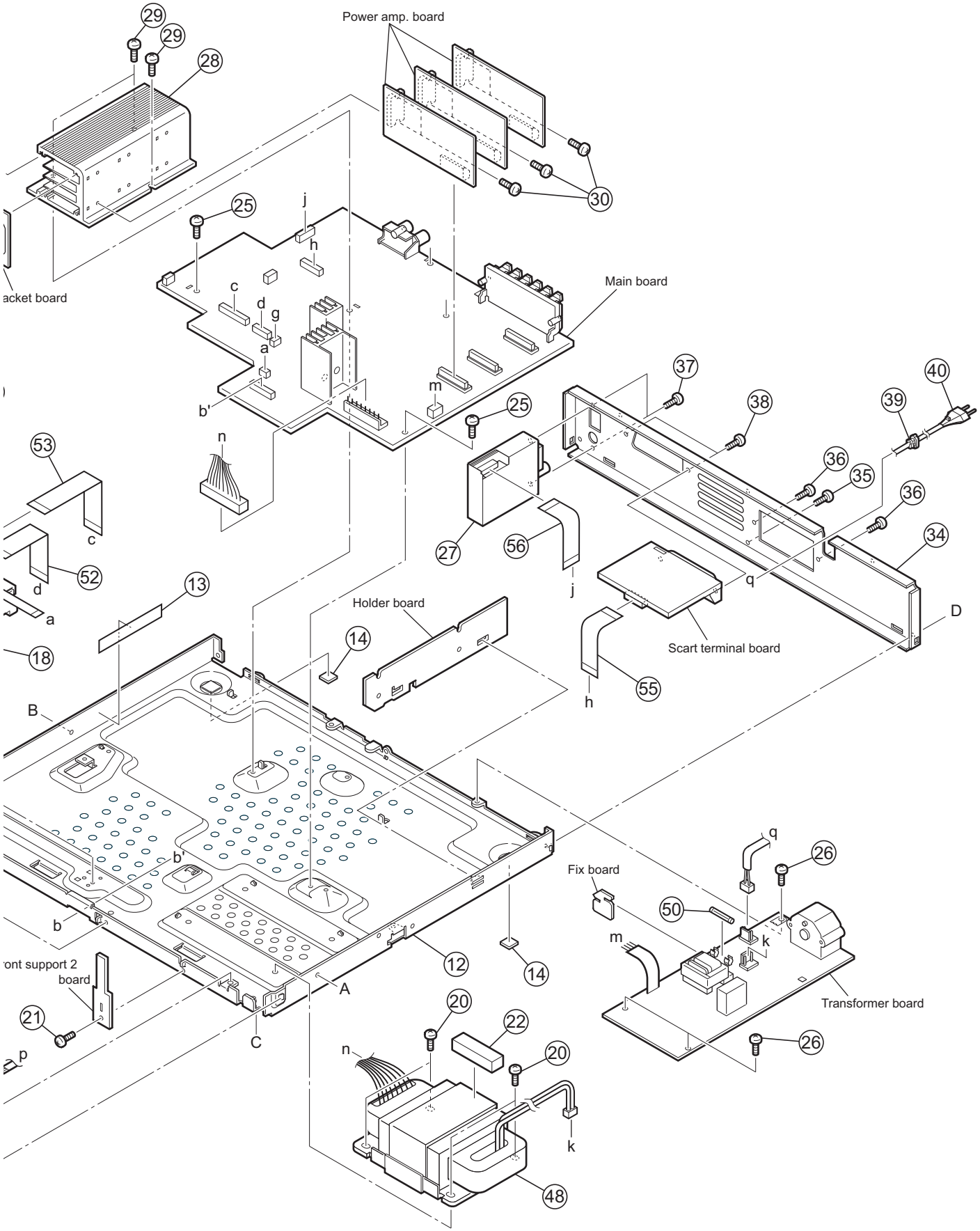
- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
Speaker assembly and parts list(Subwoofer) (Block No.M2) (TH-S33) ---------- 3- 5
DVD mechanism assembly and parts list (Block No.MJ) ---------- 3- 6
DVD loading base assembly and parts list (Block No.MN) ---------- 3- 8
Electrical parts list (Block No.01~04) ---------- 3-10
Packing materials and accessories parts list (Block No.M3)
(TH-S33 B,E,EN,EV) ---------- 3-18
Packing materials and accessories parts list (Block No.M4) (TH-S33 EE) ---------- 3-20
Packing materials and accessories parts list (Block No.M5)
(TH-S11 B,E,EN,EV) ---------- 3-22
Packing materials and accessories parts list (Block No.M6) (TH-S11 EE) ---------- 3-24

Exploded view of general assembly and parts list

Block No. M 1 M M




Power amp. board
Main board
Holder board
Scart terminal board
Fix board
Transformer board
ont support 2
board
acket board

General Assembly

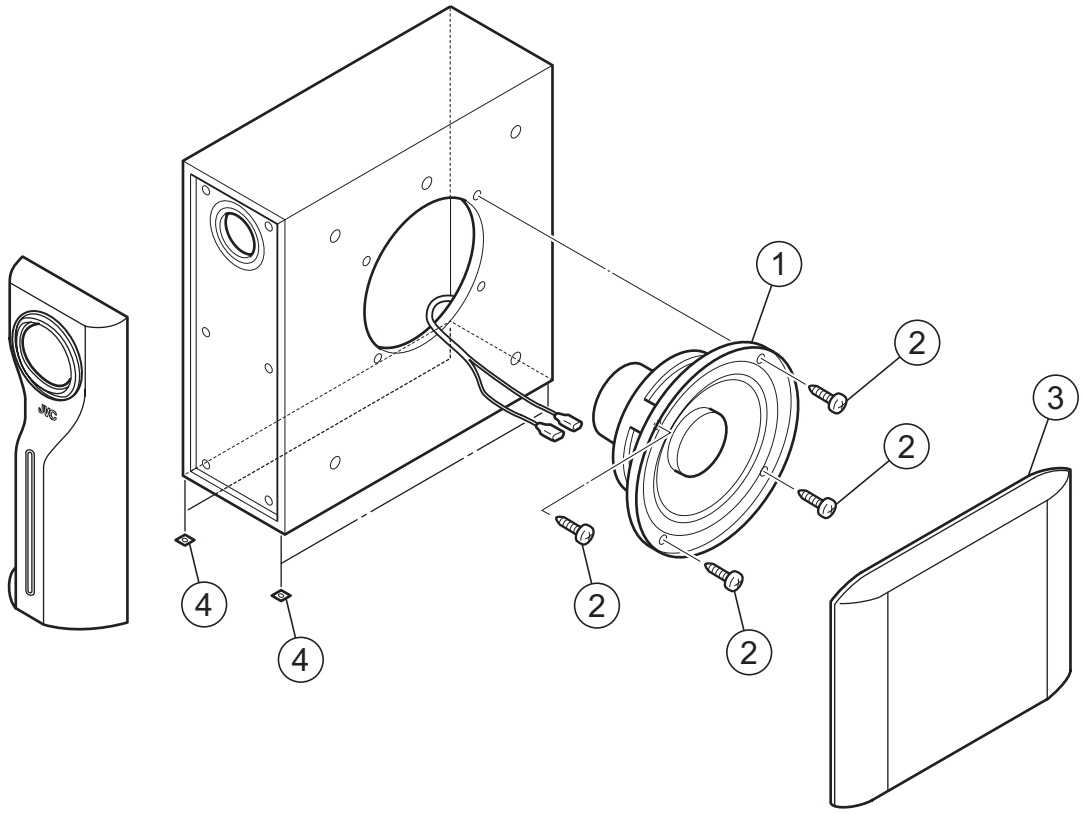
Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10166-027A	FRONT PANEL		S11B,S11E,S11EE,S11EN,S11EV
	1	GV10166-028A	FRONT PANEL		S33B,S33E,S33EE,S33EN,S33EV
	2	GV30519-005A	WINDOW LENS		
	3	LV40301-001A	FELT SPACER	(x2)	
	4	GV10167-001A	CONTROL BUTTON		
	5	GV40121-005A	SPACER		
	6	GV30522-001A	VOL RING		
	7	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	8	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x6)	
	9	LV43659-001A	FL HOLDER	(x2)	
	10	GV30349-020A	FELT SPACER	(x2)	
	11	GV40531-001A	LED HOLDER		
	12	GV10274-001A	CHASSIS BASE		
	13	LV41843-002A	LASER CAUTION		
	14	LV40301-002A	FELT SPACER	(x2)	
	15	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
	16	GV40474-001A	MECHA HOLDER F	(x2)	
	17	QYSDST3005ZA	TAP SCREW	M3 x 5mm(x2)	
	18	QYSBSF3008ZA	TAP SCREW	M3 x 8mm(x2)	
	19	QYSBSG3008EA	TAP SCREW	M3 x 8mm	
	20	QYSBST4006ZA	TAP SCREW	M4 x 6mm(x4)	
	21	QYSDST3005ZA	TAP SCREW	M3 x 5mm(x2)	
	22	GV30349-040A	SPACER		
	23	QYSPSG3015ZA	TAP SCREW	M3 x 15mm(x2)	
	24	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	25	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	26	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x3)	
	27	QAU0347-002	TUNER ASSY.	TU 1	
	28	GV30724-001A	HEAT SINK		
	29	QYSBST3008ZA	TAP SCREW	M3 x 8mm(x3)	
	30	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm(x6)	
	31	LV30225-035A	SPACER		
	32	GV30349-032A	SPACER	(x2)	
	33	GV40121-005A	SPACER	(x2)	
	34	GV10275-002A	REAR PANEL		S11EE
	34	GV10275-001A	REAR PANEL		S11B,S11E,S11EN,S11EV
	34	GV10275-011A	REAR PANEL		S33EE
	34	GV10275-010A	REAR PANEL		S33B,S33E,S33EN,S33EV
	35	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	36	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	37	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	38	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
⚠	39	QZW0033-001	STRAIN RELIEF		
⚠	40	QMPN150-200-JC	POWER CORD(EU)	2m BLACK	S11B,S33B
⚠	40	QMPK210-205-JN	POWER CORD(EU)	2.05m BLACK	S11E,S11EE,S11EN,S11EV, S33E,S33EE,S33EN,S33EV
	41	GV10170-007A/S/	METAL COVER		
	42	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	43	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	44	E406308-007	SCREW	(x4)	
	45	GV30619-001A	CD FITTING		
	46	GV30521-001A	VOLUME KNOB		
	47	E409396-003	CAUTION LABEL		
⚠	48	QQT0484-001	POWER TRANSF	T 901	
	49	QAR0363-001	COOLING FAN		
⚠	50	QMF51W2-1R6-J8	FUSE	1.6A AC250V	
	51	QUQH10-1917AJ-E	FFC WIRE	19pin 17cm	
	52	QUQH10-1511AJ-E	FFC WIRE	15pin 11cm	
	53	QUQH10-2511AJ-E	FFC WIRE	25pin 11cm	
	54	QUQH10-0533AJ-E	FFC WIRE	5pin 33cm	
	55	QUQH10-1809AJ-E	FFC WIRE	18pin 9cm	
	56	QUQH12-1109CJ-E	FFC WIRE	11pin 9cm	
	57	QUQH12-0408DJ-E	FFC WIRE	4pin 8cm	

Speaker assembly and parts list

(Subwoofer) (TH-S33)

Block No. M 2 M M



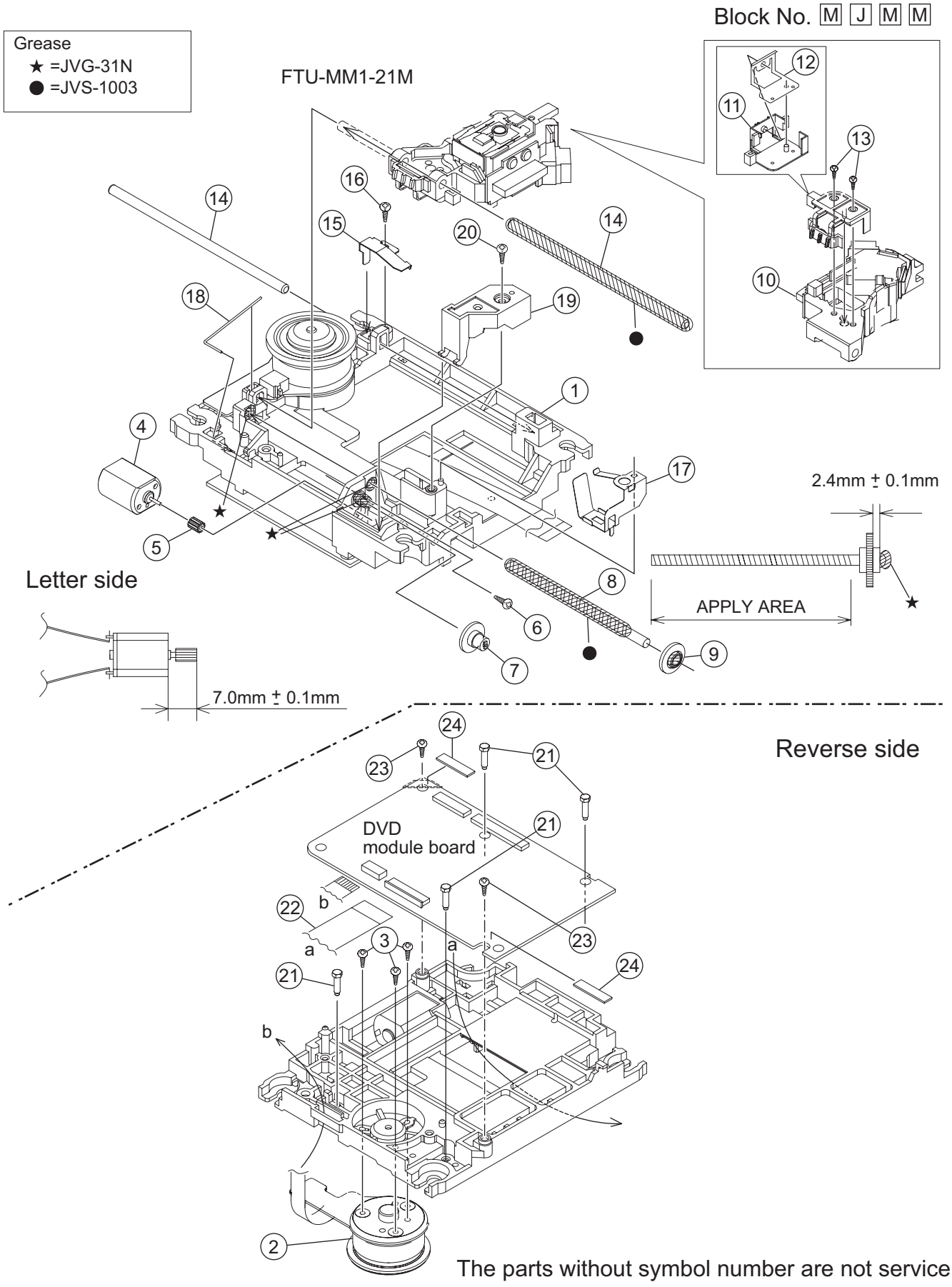
The parts without symbol number are not service.

Speaker(Subwoofer) (TH-S33)

Block No. [M][2][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LE10016-066A	CONE SPK		
	2	7001541605	TAPPING SCREW	(x4)	
	3	LV10964-001A	NET ASSY		
	4	5600006901	RUBBER FOOT	(x4)	

DVD mechanism assembly and parts list



The parts without symbol number are not service.

DVD mechanism

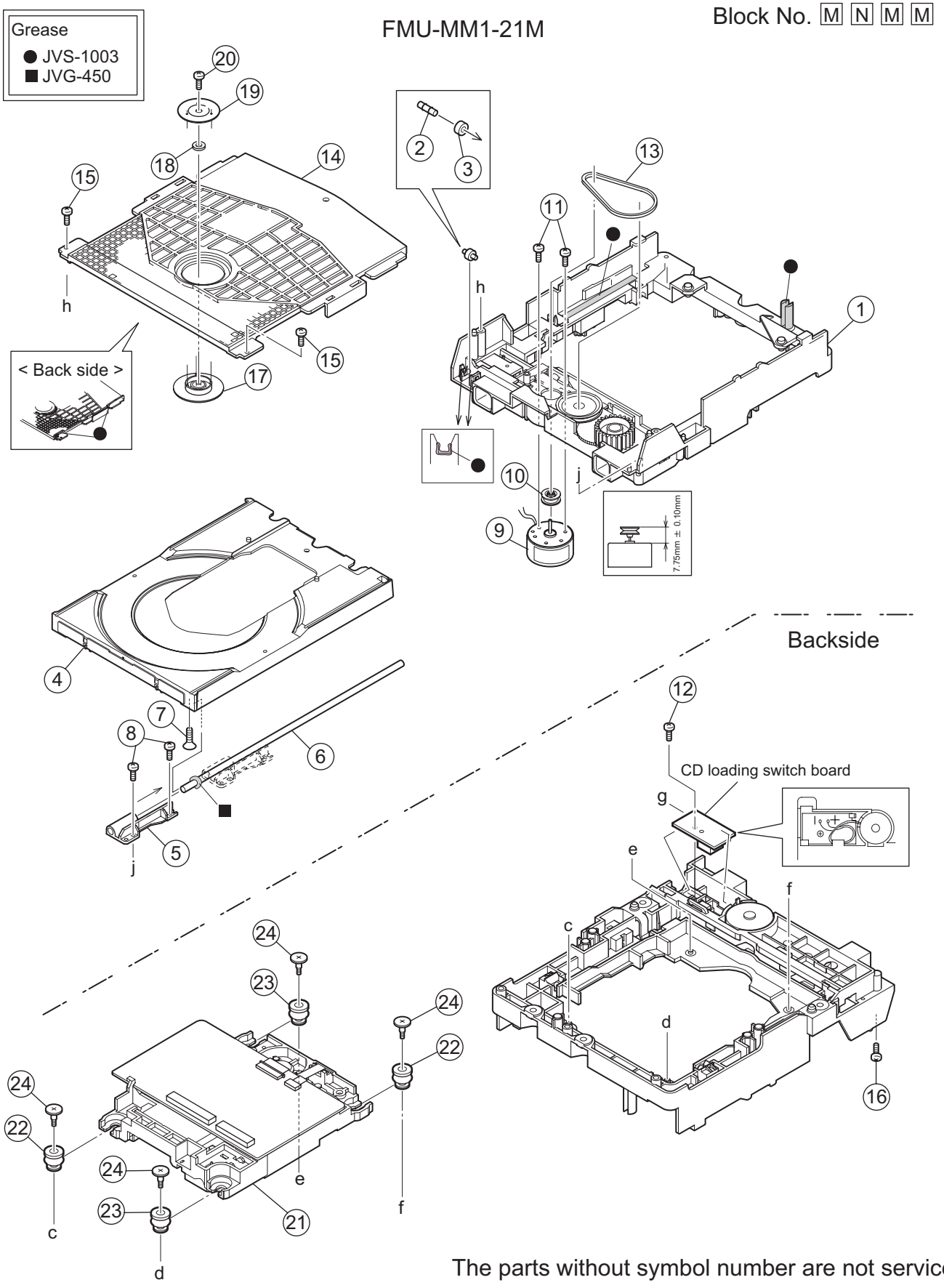
Block No. [M][J][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10984-001A	S.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-001	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-001A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	
	22	LV44092-001A	PICK FFC		
	23	LV44209-001A	WASHER SCREW	(x2)	
	24	LV30225-0V6A	SPACER	(x2)	

DVD loading base assembly and parts list

Block No. M N M M

FMU-MM1-21M



The parts without symbol number are not service.

DVD loading base

Block No. [M][N][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11065-002A	LOADER SUB ASSY		
	2	E407140-001SS	C.D ROLLER		
	3	E407149-001SS	RUBBER TUBE		
	4	LV10979-002A	TRAY		
	5	LV35499-001A	SHAFT GUIDE		
	6	LV44022-001A	SHAFT		
	7	QYSSSF2008ZA	TAP SCREW	M2 x 8mm	
	8	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	9	QAR0197-001	MOTOR		
	10	LV43844-002A	MOTOR PULLEY		
	11	QYSPSPU1730ZA	SCREW	M1.7 x 3mm(x2)	
	12	QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
	13	LV43974-001A	BELT		
	14	LV21852-003A	CLAMPER BASE		
	15	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	16	LV41741-004A	SPECIAL SCREW		
	17	LV35056-002A	DVD CLAMPER		
	18	LV42930-003A	P.C.MAGNET		
	19	LV43848-001A	YOKE		
	20	LE40906-002A	SPECIAL SCREW		
	21	----------	SINGLE DVD TRAM		
	22	LV44043-002A	INSULATOR	(x2)	
	23	LV44043-003A	INSULATOR	(x2)	
	24	LV44044-001A	SPECIAL SCREW	(x4)	

Electrical parts list

Trans board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC270	STK453-030A	IC		
IC275	STK453-030A	IC		
IC280	STK453-030A	IC		
IC300	MM1505XN-X	IC		
IC310	BH7868FS-X	IC		
IC500	PT6315	IC		
IC501	GP1UM271XKVF	IR DETECT UNIT		
Q951	KTB772/Y/	TRANSISTOR		
Q952	KTC3875/YG/-X	SI TRANSISTOR		
Q953	KTC3875/YG/-X	SI TRANSISTOR		
Q955	KTC3875/YG/-X	SI TRANSISTOR		
Q961	KTC3875/YG/-X	SI TRANSISTOR		
Q2700	KTA1504/YG/-X	SI TRANSISTOR		
Q2750	KTA1504/YG/-X	SI TRANSISTOR		
Q2800	KTA1504/YG/-X	SI TRANSISTOR		
Q3400	KRC102S-X	DIGI TRANSISTOR		
Q3401	KRC102S-X	DIGI TRANSISTOR		
Q3402	KRA102S-X	DIGI TRANSISTOR		
Q3403	KRC102S-X	DIGI TRANSISTOR		
Q5000	KRC102S-X	DIGI TRANSISTOR		
D950	1SS355-X	SI DIODE		
D951	1N4003S-T5	SI DIODE		
D953	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D955	1N4003S-T5	SI DIODE		
D956	1N4003S-T5	SI DIODE		
D957	1N4003S-T5	SI DIODE		
D958	1N4003S-T5	SI DIODE		
D959	1N4003S-T5	SI DIODE		
D960	UDZS6.8B-X	Z DIODE		
D2700	UDZS5.1B-X	Z DIODE		
D2701	UDZS15B-X	Z DIODE		
D2750	UDZS5.1B-X	Z DIODE		
D2751	UDZS15B-X	Z DIODE		
D2800	UDZS5.1B-X	Z DIODE		
D2801	UDZS15B-X	Z DIODE		
D5000	SLR-342VC3F	LED		
C950	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C951	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C954	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C958	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C959	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
C960	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C961	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C2700	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2701	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2703	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2704	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2706	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2707	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2708	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2709	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2710	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2711	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2712	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2713	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2714	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2717	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2718	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2719	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2720	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C2750	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2751	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2753	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2754	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2756	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2757	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2758	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2759	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2760	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2761	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2762	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2763	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2764	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2767	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2768	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2770	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C2800	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2801	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2804	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2806	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2807	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2808	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C2809	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2810	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2811	QEKC1HM-474Z	E CAPACITOR	0.47uF 50V M	
C2812	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2813	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2814	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2817	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2818	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2819	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2820	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C3000	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3002	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C3003	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C3100	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C3101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3102	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3103	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C3104	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3105	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C3106	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3107	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3108	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3109	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3110	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3111	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3112	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3113	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3400	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3401	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3402	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3405	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3406	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3407	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3408	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3410	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3411	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3412	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5000	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5001	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5002	QEKC1AM-476Z	E CAPACITOR	47uF 10V M	
C5004	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5005	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5006	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5011	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R953	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R954	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R955	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R956	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R958	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R963	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R964	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2700	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2701	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2702	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2704	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2706	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2707	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2709	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2710	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2711	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2712	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2713	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2717	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2720	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2750	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2751	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2752	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2754	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2756	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2757	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2758	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2759	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2760	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2761	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2762	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2763	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2765	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2766	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2770	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2771	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2772	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2800	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2801	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2802	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2804	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2806	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2807	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2808	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2809	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2810	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2811	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2812	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2813	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2814	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2816	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2817	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2820	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2821	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2822	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3100	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R3101	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3102	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R3103	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3104	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3105	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3106	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3107	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3400	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R3401	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R3402	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3403	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3404	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R3405	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R3406	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R3407	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3409	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3411	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R3412	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R5002	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R5006	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R5008	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R5009	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R5010	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5011	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5012	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R5013	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R5014	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5015	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
L2700	QQLZ035-R39	COIL	0.39uH	
L2701	QQLZ035-R39	COIL	0.39uH	
L2750	QQLZ035-R39	COIL	0.39uH	
L2751	QQLZ035-R39	COIL	0.39uH	
L2800	QQLZ035-R39	COIL	0.39uH	
L2801	QQLZ035-R39	COIL	0.39uH	
L3100	QQL25CK-221Z	COIL	220uH K	
⚠ T950	QQT0253-002	POWER TRANSF		
CN270	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN275	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN280	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN300	QGF1036F1-18	CONNECTOR	FFC/FPC (1-18)	
CN500	QGF1036F1-19	CONNECTOR	FFC/FPC (1-19)	
CN501	QGF1210G1-04	CONNECTOR	FFC/FPC (1-4)	
CN950	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN952	QGA7901C1-02	CONNECTOR	W-B (1-2)	
DI500	QLF0156-001	FL TUBE		
EP950	QNZ0136-001Z	EARTH PLATE		
FW953	QUM024-07DGZ4-E	FLAT WIRE		
J3400	QNZ0625-001	RGB CONNECTOR		
JS500	QSW1059-001	JOG VOLUME		
⚠ LF950	QQR1360-001	LINE FILTER		
⚠ RY950	QSK0124-001	RELAY		
S5000	QSW1121-001Z	PUSH SW I.M		
S5001	QSW1121-001Z	PUSH SW I.M		
S5002	QSW1121-001Z	PUSH SW I.M		
S5003	QSW1121-001Z	PUSH SW I.M		
S5004	QSW1121-001Z	PUSH SW I.M		
S5005	QSW1121-001Z	PUSH SW I.M		
S5006	QSW1121-001Z	PUSH SW I.M		
S5007	QSW1121-001Z	PUSH SW I.M		
Z950	QNG0003-001Z	FUSE CLIP		
Z951	QNG0003-001Z	FUSE CLIP		

Micon board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC110	KIA7812API	IC		
⚠ IC130	KIA7809API	IC		
⚠ IC140	KIA278R10PI-U/P	IC		
⚠ IC150	KIA7806API	IC		
⚠ IC155	KIA7906PI-U/P	IC		
⚠ IC160	KIA278R05PI	TRANSISTOR		
⚠ IC165	KIA7805API	IC		
IC210	CD4066BM-X	IC		
IC211	RC4558D-X	IC		
IC212	RC4558D-X	IC		
IC215	RC4558D-X	IC		
IC225	RC4558D-X	IC		
IC226	RC4558D-X	IC		
IC230	CD4066BM-X	IC		
IC235	CD4066BM-X	IC		
IC240	CD4066BM-X	IC		
IC250	BD3814FV-X	IC		
IC260	IMX9-W	TRANSISTOR		
IC261	IMX9-W	TRANSISTOR		
IC262	IMX9-W	TRANSISTOR		
IC265	RC4558D-X	IC		
IC266	IMX9-W	TRANSISTOR		
IC410	MN101C49GFR1	MASK ROM		
IC411	BD4826G-W	IC		
IC412	BR24L08F-W-X	IC(DIGITAL)		
IC413	SN74AHCT08NS-X	IC		

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC420	LB1641	IC		
IC450	LC72725M-X	IC		
⚠ Q1000	KTA1268/GL/-T	TRANSISTOR		
⚠ Q1700	KTA1271/OY/-T	TRANSISTOR		
Q1701	KRC105S-X	DIGI TRANSISTOR		
Q1702	KRC101S-X	TRANSISTOR		
Q2100	KRA104S-X	DIGI TRANSISTOR		
Q2101	KTC3875/YG/-X	SI TRANSISTOR		
Q2102	KTC3875/YG/-X	SI TRANSISTOR		
Q2103	KRA104S-X	DIGI TRANSISTOR		
Q2104	KRA104S-X	DIGI TRANSISTOR		
Q2600	KRA102S-X	DIGI TRANSISTOR		
Q2850	KRC102S-X	DIGI TRANSISTOR		
Q2851	KRA101S-X	D.TRANSISTOR		
Q2852	KTC3875/YG/-X	SI TRANSISTOR		
Q2853	KTC3875/YG/-X	SI TRANSISTOR		
Q4100	KRC107S-X	DIGI TRANSISTOR		
Q4300	KRC102S-X	DIGI TRANSISTOR		
Q4301	KRA102S-X	DIGI TRANSISTOR		
Q4302	KTC3875/YG/-X	SI TRANSISTOR		
Q4303	KTC3875/YG/-X	SI TRANSISTOR		
Q4304	KRA102S-X	DIGI TRANSISTOR		
Q4305	KRC102S-X	DIGI TRANSISTOR		
Q6000	KRA104S-X	DIGI TRANSISTOR		
Q6001	KRA104S-X	DIGI TRANSISTOR		
⚠ D900	6A10E2	SI DIODE		
⚠ D901	6A10E2	SI DIODE		
⚠ D902	6A10E2	SI DIODE		
⚠ D903	6A10E2	SI DIODE		
⚠ D910	1N5401-TM	SI DIODE		
⚠ D911	1N5401-TM	SI DIODE		
⚠ D912	1N5401-TM	SI DIODE		
⚠ D913	1N5401-TM	SI DIODE		
⚠ D1000	1N4003S-T5	SI DIODE		
⚠ D1001	1N4003S-T5	SI DIODE		
⚠ D1002	1N4003S-T5	SI DIODE		
D1003	UDZS27B-X	Z DIODE		
D1004	UDZS7.5B-X	Z DIODE		
D1500	1N4003S-T5	SI DIODE		
D1701	UDZS5.1B-X	Z DIODE		
D2870	1SS355-X	SI DIODE		
D2871	1SS355-X	SI DIODE		
D4100	1SS355-X	SI DIODE		
D4102	1SS355-X	SI DIODE		
D4105	1SS355-X	SI DIODE		
D4200	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D4306	UDZS6.8B-X	Z DIODE		
D4307	UDZS6.8B-X	Z DIODE		
D4308	UDZS10B-X	Z DIODE		
D4309	UDZS10B-X	Z DIODE		
D4310	UDZS13B-X	Z DIODE		
D4311	UDZS13B-X	Z DIODE		
D4312	1SS355-X	SI DIODE		
D4313	1SS355-X	SI DIODE		
D4314	1SS355-X	SI DIODE		
D4315	1SS355-X	SI DIODE		
D4316	1SS355-X	SI DIODE		
D4317	1SS355-X	SI DIODE		
D4318	RB160L-60-X	SB DIODE		
D4319	1N4003S-T5	SI DIODE		
D4320	1N4003S-T5	SI DIODE		
D4321	1SS355-X	SI DIODE		
C900	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C901	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C902	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C903	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C904	QEZ0743-478	E CAPACITOR	4700uF	
C905	QEZ0743-478	E CAPACITOR	4700uF	
C910	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C911	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C912	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C913	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C914	QEZ0735-688	E CAPACITOR	6800uF	
C1000	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1001	QETN1JM-227Z	E CAPACITOR	220uF 63V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1100	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1300	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1301	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1400	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1500	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1550	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1551	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1651	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1700	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C1701	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C2100	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2102	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2103	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2105	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2108	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2109	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2113	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2114	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2150	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2151	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2152	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C2153	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C2154	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2155	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2156	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2157	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2250	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2252	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2254	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2255	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2256	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2257	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2258	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2259	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2260	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2261	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2262	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2263	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C2300	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2301	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2400	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2500	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2503	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2504	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2505	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2506	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C2507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2508	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C2509	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2511	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2512	QEKC1EM-107Z	E CAPACITOR	100uF 25V M	
C2513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2515	QEKC1EM-107Z	E CAPACITOR	100uF 25V M	
C2516	NCB31EK-472X	C CAPACITOR	4700pF 25V K	
C2517	NCB31EK-472X	C CAPACITOR	4700pF 25V K	
C2518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2522	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2525	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2527	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2600	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2601	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2650	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2651	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2653	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2654	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2655	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2657	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2659	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C2661	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C2662	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2663	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2702	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2705	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2752	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2802	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2805	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2850	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C2851	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2852	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2853	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2854	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2855	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2856	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2870	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2904	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2905	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2906	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2907	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2908	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2909	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2910	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2911	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2912	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2914	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
C4100	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4101	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C4102	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C4103	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4105	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C4110	NCB31CK-102X	C CAPACITOR	1000pF 16V K	
C4111	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4202	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4400	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4401	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4502	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C4503	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C4504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4505	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C4506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4507	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C4508	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4509	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5100	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5104	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R1000	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R1001	NRSA02J-682X	MG RESISTOR	6.8kΩ 1/10W J	
R1003	NRSA02J-682X	MG RESISTOR	6.8kΩ 1/10W J	
⚠ R1400	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1401	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1402	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1403	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1600	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1601	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1602	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1603	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R1610	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1700	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R1701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1703	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R2100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2101	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2102	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2105	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2110	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2111	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2114	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2116	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2117	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2120	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2121	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2122	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2150	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2151	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2152	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2153	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2154	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2155	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2156	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2157	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2251	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2252	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2253	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2254	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2255	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2260	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2261	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2262	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2263	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2264	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R2265	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2266	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2301	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2354	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2355	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2400	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2401	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2402	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2508	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2600	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2603	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2605	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2606	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2607	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2610	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2611	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2612	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2613	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2614	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2615	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2616	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2617	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2618	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2651	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2652	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2653	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2654	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2655	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2656	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2658	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2659	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2660	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2661	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2662	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2663	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2703	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2705	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2753	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2780	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2803	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2805	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2854	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2855	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2856	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2857	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2858	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2859	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2860	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2861	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2862	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S33B, S33E, S33EE, S33EN, S33EV
R4103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S11B, S11E, S11EE, S11EN, S11EV
R4106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4113	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R4114	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4118	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4122	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4123	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4124	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4130	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4132	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4133	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4135	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4136	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4137	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4138	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4140	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4145	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4146	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4147	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4148	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4149	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4154	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4155	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4156	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4157	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4158	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4159	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4160	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4163	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4164	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4165	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4166	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4167	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4168	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4305	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4306	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4400	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R4401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4402	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R4403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6000	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
L4200	QQL244K-100Z	COIL	10uH K	
CN100	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN101	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN102	QGA3901C1-08	CONNECTOR	W-B (1-8)	
CN271	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN276	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN281	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN400	QGF1036C1-19	CONNECTOR	FFC/FPC (1-19)	
CN401	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN402	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
CN403	QGF1036C1-15	CONNECTOR	FFC/FPC (1-15)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN404	QGF1036C1-25	CONNECTOR	FFC/FPC (1-25)	
CN405	QGF1036C1-05	CONNECTOR	FFC/FPC (1-5)	
CN407	QGF1036C1-18	CONNECTOR	FFC/FPC (1-18)	
CN510	QGF1205F1-04	CONNECTOR	FFC/FPC (1-4)	
HS140	GV40620-001A	HEAT SINK		
HS160	LV40057-004A	HEAT SINK		
J2850	QNB0189-001	SPK TERMINAL		
J5100	QNS0170-001	HEADPHONE JACK		
K2900	QQR0621-001Z	FERRATE BEADS		
K4000	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K5100	NQR0360-002X	FERRITE BEADS		
K5101	NQR0360-002X	FERRITE BEADS		
K5102	NQR0360-002X	FERRITE BEADS		
PP901	QZW0112-001	WIRE CLAMP		
SC140	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SC141	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SC160	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SP292	E3400-444	FELT SPACER		
X4100	QAX0667-001Z	C RESONATOR	8.000MHz	
X4500	QAX0868-001Z	C RESONATOR		

DVD module board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0009VP	IC		
IC302	MM1701CH-X	IC		
IC305	MM1563BF-X	IC	3.1V Regulator	
IC453	S-80827CNNB-G-W	IC		
IC505	K4S641632H-UC75	IC		
IC505 or	HY57V641620ETP7	IC(DIGITAL)		
IC509	----------	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4384VT-X	IC		
IC701 or	AK4384ET-X	IC		
IC702	AK4384VT-X	IC		
IC702 or	AK4384ET-X	IC		
IC703	AK4384VT-X	IC		
IC703 or	AK4384ET-X	IC		
IC705	MM1615AN-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
Q105 or	KRA116S-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C301	NEAF0GM-227X	E CAPACITOR	220uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C702	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C703	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C708	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C709	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R331	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R332	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R724	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R725	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R727	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R728	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R730	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CN101	QGF0523F1-25W	CONNECTOR	FFC/FPC (1-25)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN701	QGF1016F2-25W	CONNECTOR	FFC/FPC (1-25)	
CN702	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K501	NQR0502-001X	FERRITE BEADS		
K701	NQR0022-002X	FERRITE BEADS		
K702	NQR0022-002X	FERRITE BEADS		
K703	NQR0022-002X	FERRITE BEADS		
K704	NQR0022-002X	FERRITE BEADS		
K705	NQR0022-002X	FERRITE BEADS		
K706	NQR0022-005X	FERRITE BEADS		
K707	NQR0022-002X	FERRITE BEADS		
K708	NQR0022-002X	FERRITE BEADS		
K709	NQR0022-002X	FERRITE BEADS		
K710	NQR0022-002X	FERRITE BEADS		
K711	NQR0022-002X	FERRITE BEADS		
K720	NQR0022-002X	FERRITE BEADS		
K721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL		

DVD loading switch board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH		

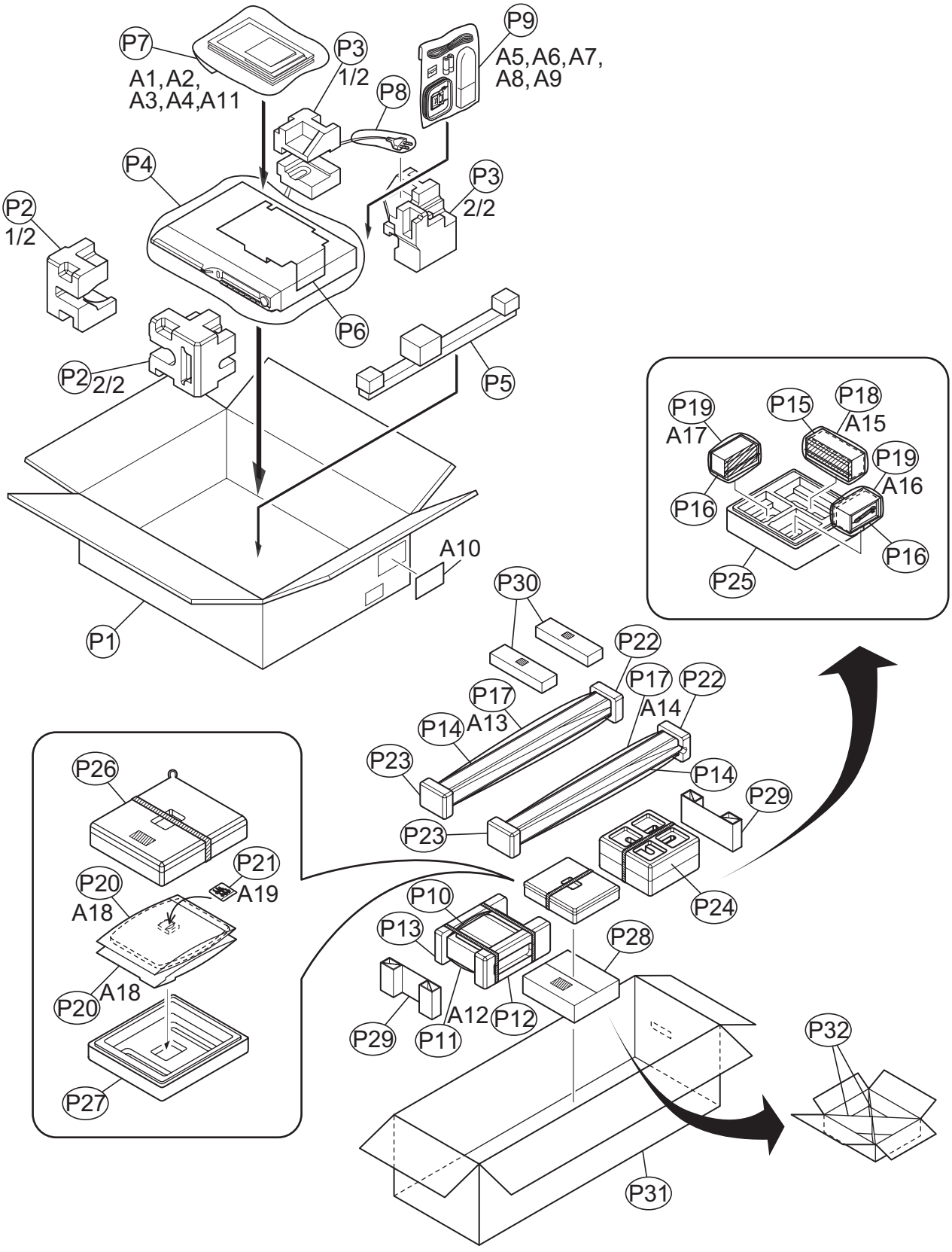
< MEMO >

Packing materials and accessories parts list

Block No. M 3 M M

(TH-S33 B,E,EN,EV)

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories (TH-S33 B,E,EN,EV)

Block No. [M][3][M][M]

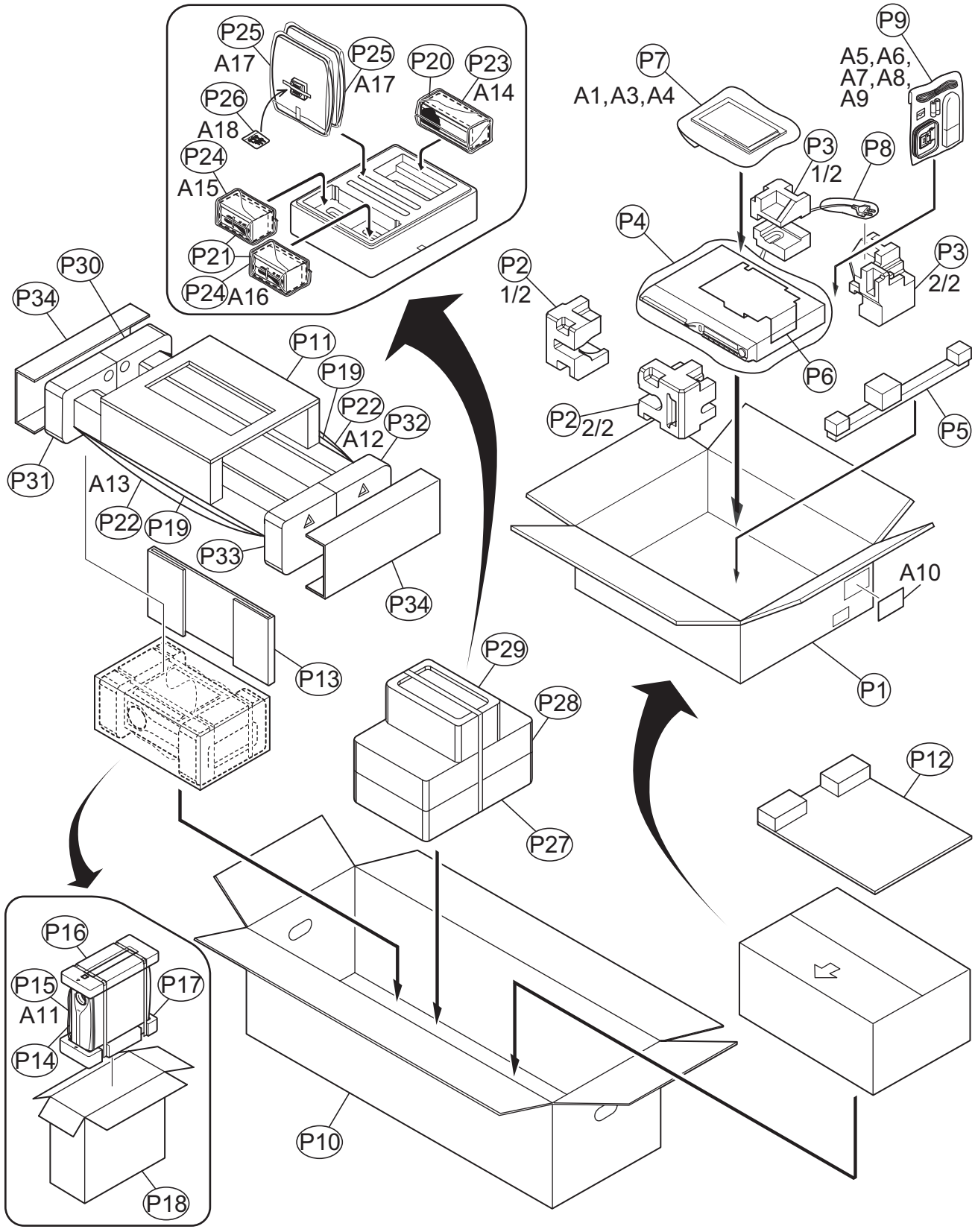
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-001A	INST BOOK	ENG	S33B
	A 1	GVT0155-002A	INST BOOK	GER FRE	S33E,S33EN
	A 1	GVT0155-006A	INST BOOK	CZE POL HUN	S33EV
	A 2	GVT0155-003A	INST BOOK	DUT	S33E
	A 2	GVT0155-004A	INST BOOK	SWE FIN DAN SPA ITA	S33EN
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	VNA3000-204	REGISTER CARD		S33B
	A 12	QAS0318-001	SPEAKER BOX	SUBWOOFER	
	A 13	AB050040-01	SPEAKER BOX	FRONT RIGHT	
	A 14	AB050040-02	SPEAKER BOX	FRONT LEFT	
	A 15	AB050041-01	SPEAKER BOX	CENTER	
	A 16	AB050042-01	SPEAKER BOX	SURROUND RIGHT	
	A 17	AB050042-02	SPEAKER BOX	SURROUND LEFT	
	A 18	9905001601	STAND & BASE ASSY	(x2)	
	A 19	7010944006	SCREW	(x6)	
	P 1	GV30728-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	8500055541	MIRROR SHEET		
	P 11	8500055721	POLY BAG		
	P 12	LV21821-201A	TOP CUSHION		
	P 13	LV21821-202A	BOTTOM CUSHION		
	P 14	8500059221	MIRROR MAT SHEET	(x2)	
	P 15	8500059231	MIRROR MAT SHEET		
	P 16	8500059241	MIRROR MAT SHEET	(x2)	
	P 17	8500059111	POLY BAG	(x2)	
	P 18	8500059121	POLY BAG		
	P 19	8500059131	POLY BAG	(x2)	
	P 20	8500055851	MIRROR MAT BAG	(x2)	
	P 21	8500047111	POLY BAG		
	P 22	LV36019-001A	BOTTOM CUSHION	FRONT SPK(x2)	
	P 23	LV36019-002A	TOP CUSHION	FRONT SPK(x2)	
	P 24	LV22043-001A	TOP CUSHION	SURROUND SPK	
	P 25	LV22043-002A	BOTTOM CUSHION	SURROUND SPK	
	P 26	LV22044-001A	TOP CUSHION	STAND BASE ASSY	
	P 27	LV22044-002A	BOTTOM CUSHION	STAND BASE ASSY	
	P 28	LV35831-035A	PARTITION BOX		
	P 29	LV36093-001A	PARTITION	(x2)	
	P 30	8000060701	CUSHION	(x2)	
	P 31	LV35831-032A	PACKING CASE		
	P 32	LV36146-001A	PARTITION	(x2)	

Packing materials and accessories parts list

Block No. M 4 M M

(TH-S33 EE)

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories (TH-S33 EE)

Block No. [M][4][M][M]

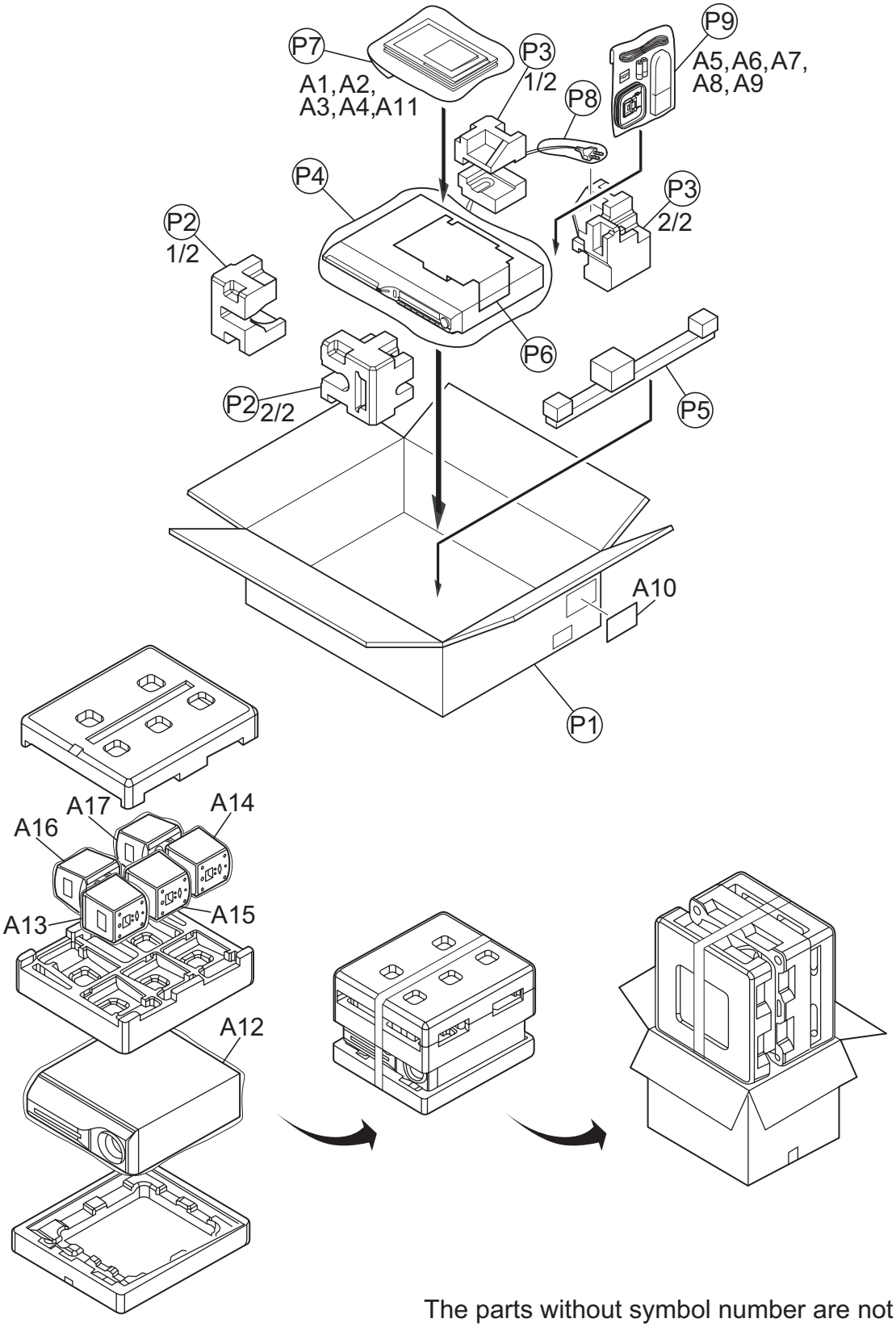
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-005A	INST BOOK	RUS	
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	QAS0318-001	SPEAKER BOX	SUBWOOFER	
	A 12	AB050040-01	SPEAKER BOX	FRONT RIGHT	
	A 13	AB050040-02	SPEAKER BOX	FRONT LEFT	
	A 14	AB050041-01	SPEAKER BOX	CENTER	
	A 15	AB050042-01	SPEAKER BOX	SURROUND RIGHT	
	A 16	AB050042-02	SPEAKER BOX	SURROUND LEFT	
	A 17	9905001601	STAND & BASE ASSY	(x2)	
	A 18	7010944006	SCREW	(x6)	
	P 1	GV30773-004A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	GV30729-002A	MASTER CARTON		
	P 11	GV30788-001A	CARTON SPA.(A)		
	P 12	GV30789-001A	CARTON SPA.(B)		
	P 13	GV30790-001A	CARTON SPA.(C)		
	P 14	8500055541	MIRROR SHEET		
	P 15	8500055721	POLY BAG		
	P 16	LV22045-001A	TOP CUSHION		
	P 17	LV22045-002A	BOTTOM CUSHION		
	P 18	8300052341	PACKING CASE(MASTER)		
	P 19	8500059221	MIRROR MAT SHEET	(x2)	
	P 20	8500059231	MIRROR MAT SHEET		
	P 21	8500059241	MIRROR MAT SHEET	(x2)	
	P 22	8500059111	POLY BAG	(x2)	
	P 23	8500059121	POLY BAG		
	P 24	8500059131	POLY BAG	(x2)	
	P 25	8500055851	MIRROR MAT BAG	(x2)	
	P 26	8500047111	POLY BAG		
	P 27	LV22042-001A	CUSHION		
	P 28	LV22042-002A	CUSHION		
	P 29	LV22042-003A	CUSHION		
	P 30	LV36018-001A	CUSHION	FRONT SPK	
	P 31	LV36018-002A	CUSHION	FRONT SPK	
	P 32	LV36018-003A	CUSHION	FRONT SPK	
	P 33	LV36018-004A	CUSHION	FRONT SPK	
	P 34	8100127301	PARTITION	FRONT SPK(x2)	

Packing materials and accessories parts list

Block No. M 5 M M

(TH-S11 B,E,EN,EV)

No additional / supplemental order of WARRANTY CARDs are available



The parts without symbol number are not service.

Packing and Accessories (TH-S11 B,E,EN,EV)

Block No. [M][5][M][M]

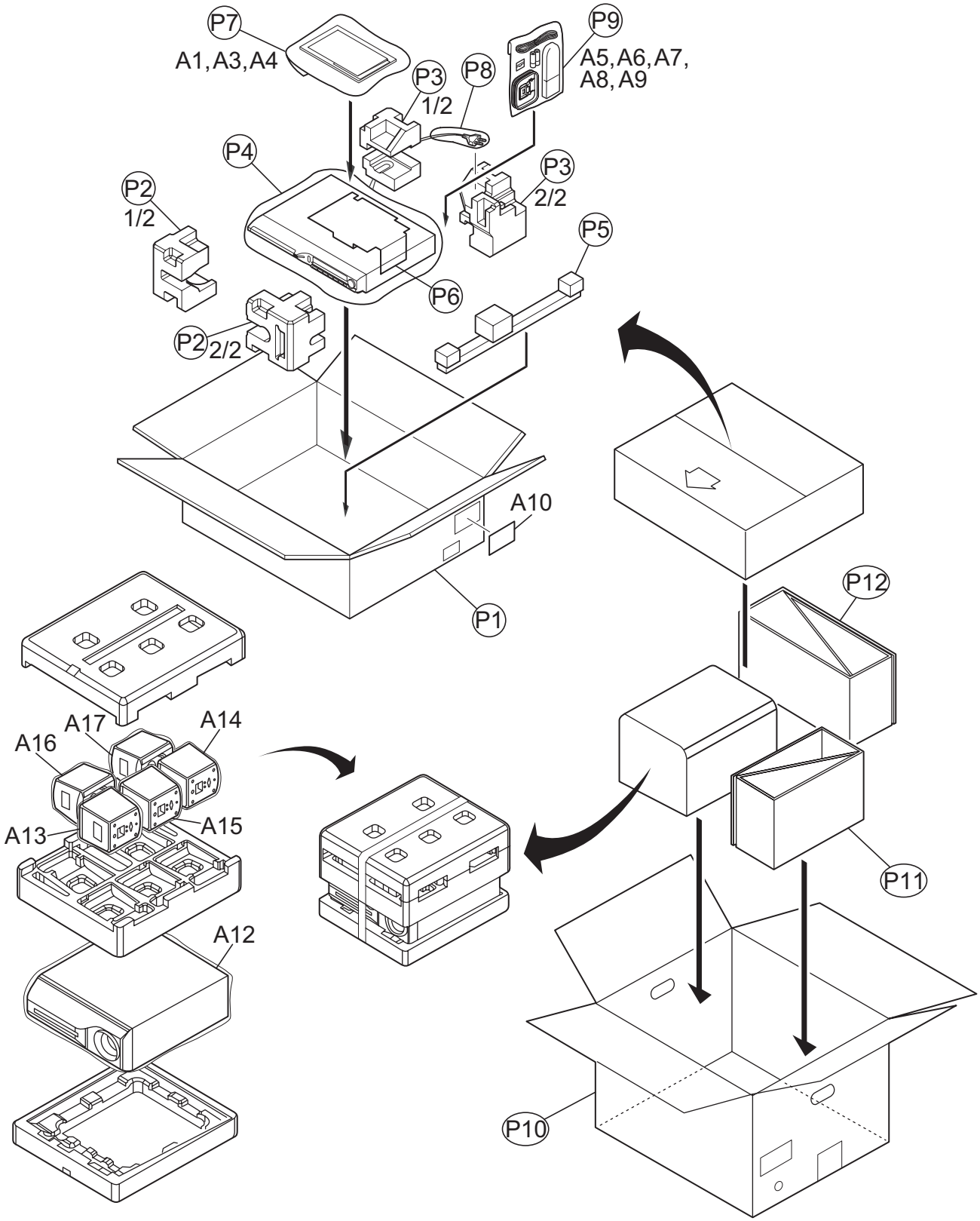
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-001A	INST BOOK	ENG	S11B
	A 1	GVT0155-002A	INST BOOK	GER FRE	S11E,S11EN
	A 1	GVT0155-006A	INST BOOK	CZE POL HUN	S11EV
	A 2	GVT0155-003A	INST BOOK	DUT	S11E
	A 2	GVT0155-004A	INST BOOK	SWE FIN DAN SPA ITA	S11EN
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	VNA3000-204	REGISTER CARD		S11B
	A 12	SPWS11E-SPBOX-W	SPEAKER BOX	SUBWOOFER	
	A 13	THS11E-SPBOX-FL	SPEAKER BOX	FRONT LEFT SPK	
	A 14	THS11E-SPBOX-FR	SPEAKER BOX	FRONT RIGHT SPK	
	A 15	THS11E-SPBOX-C	SPEAKER BOX	CENTER SPK	
	A 16	THS11E-SPBOX-SL	SPEAKER BOX	SURROUND LEFT SPK	
	A 17	THS11E-SPBOX-SR	SPEAKER BOX	SURROUND RIGHT SPK	
	P 1	GV30726-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	

Packing materials and accessories parts list

Block No. M 6 M M

(TH-S11 EE)

No additional / supplemental order of WARRANTY CARDs are available



The parts without symbol number are not service.

Packing and Accessories (TH-S11 EE)

Block No. [M][6][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-005A	INST BOOK	RUS	
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 12	SPWS11E-SPBOX-W	SPEAKER BOX	SUBWOOFER	
	A 13	THS11E-SPBOX-FL	SPEAKER BOX	FRONT LEFT SPK	
	A 14	THS11E-SPBOX-FR	SPEAKER BOX	FRONT RIGHT SPK	
	A 15	THS11E-SPBOX-C	SPEAKER BOX	CENTER SPK	
	A 16	THS11E-SPBOX-SL	SPEAKER BOX	SURROUND LEFT SPK	
	A 17	THS11E-SPBOX-SR	SPEAKER BOX	SURROUND RIGHT SPK	
	P 1	GV30773-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	GV30727-002A	MASTER CARTON		
	P 11	GV30771-002A	CARTON SPACER(A		
	P 12	GV30772-002A	CARTON SPACER(B		

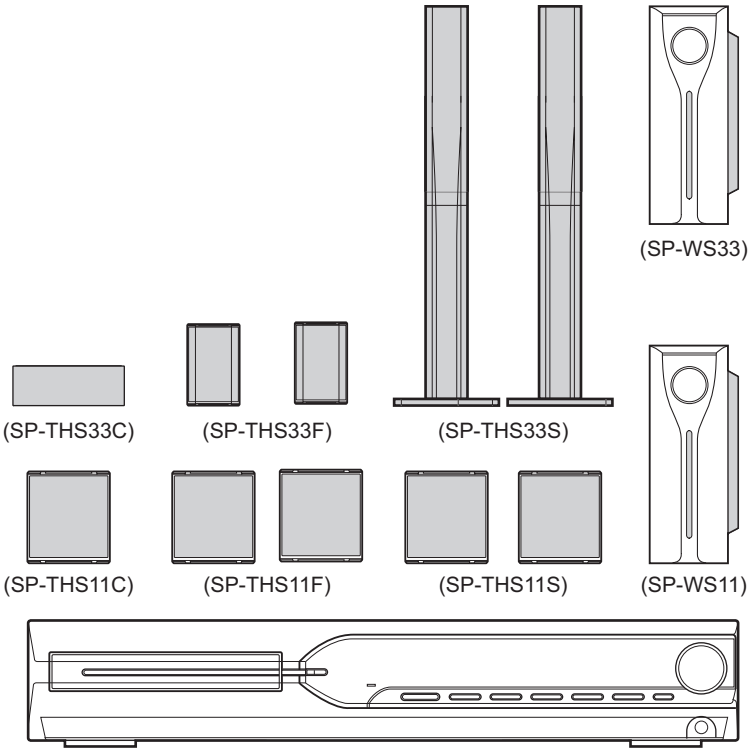
JVC

SCHEMATIC DIAGRAMS

DVD DIGITAL CINEMA SYSTEM

TH-S33,TH-S11

CD-ROM No.SML200505



Area suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE -------- Russian Federation

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagram ---------- 2-1
Standard schematic diagrams ---------- 2-2
Printed circuit boards ---------- 2-11 to 13

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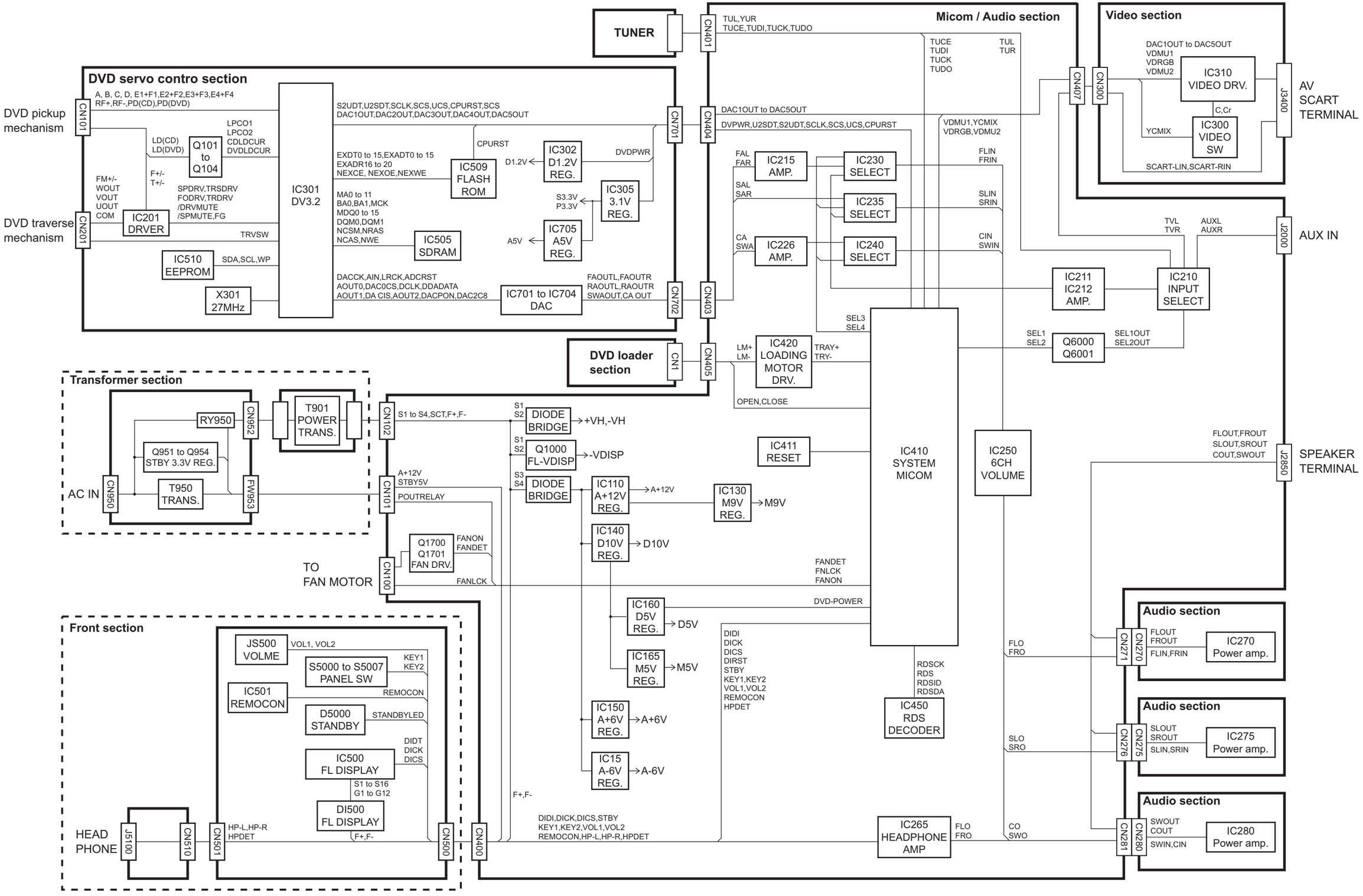
No.MB393SCH
2005/5

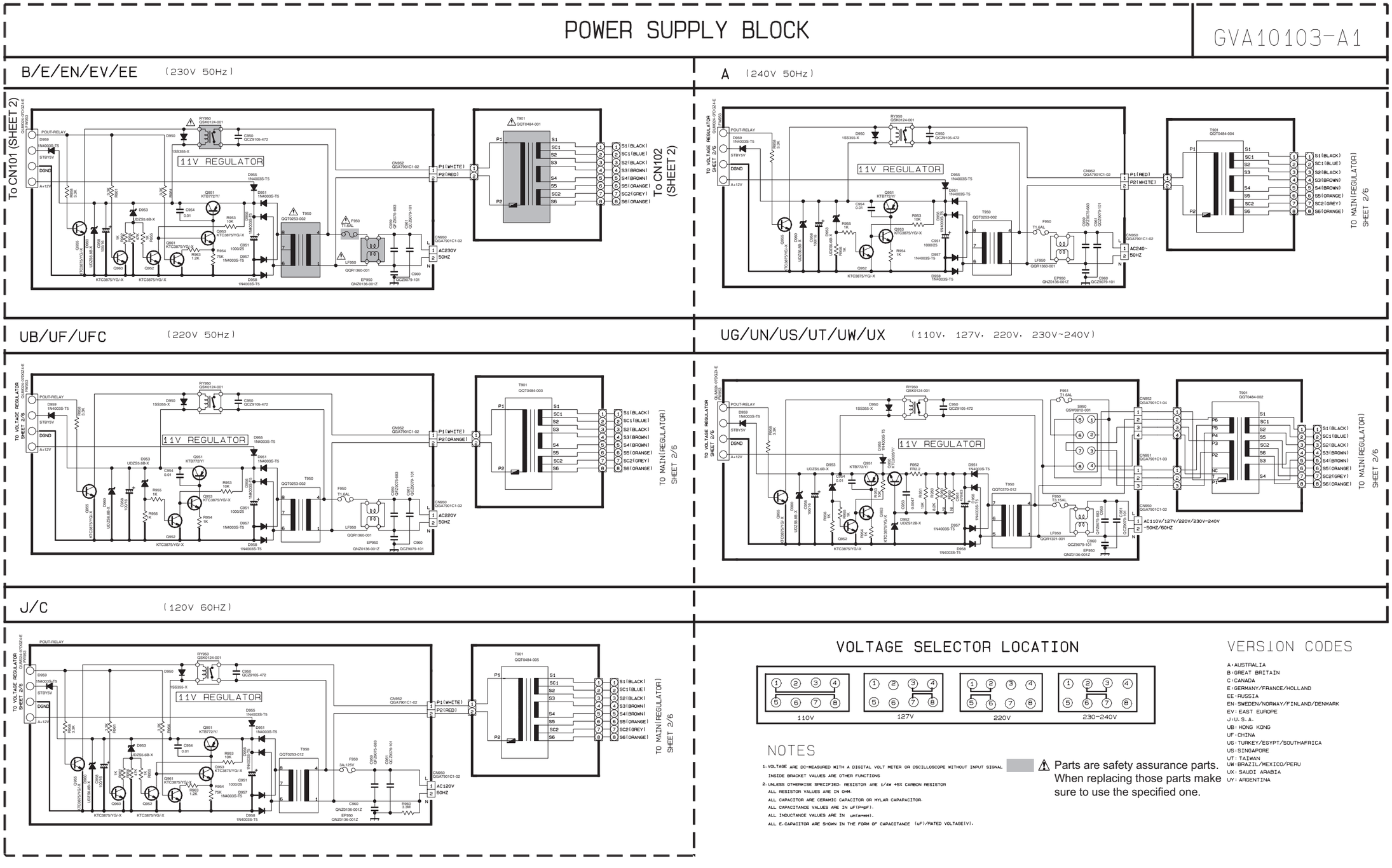
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

Block diagram

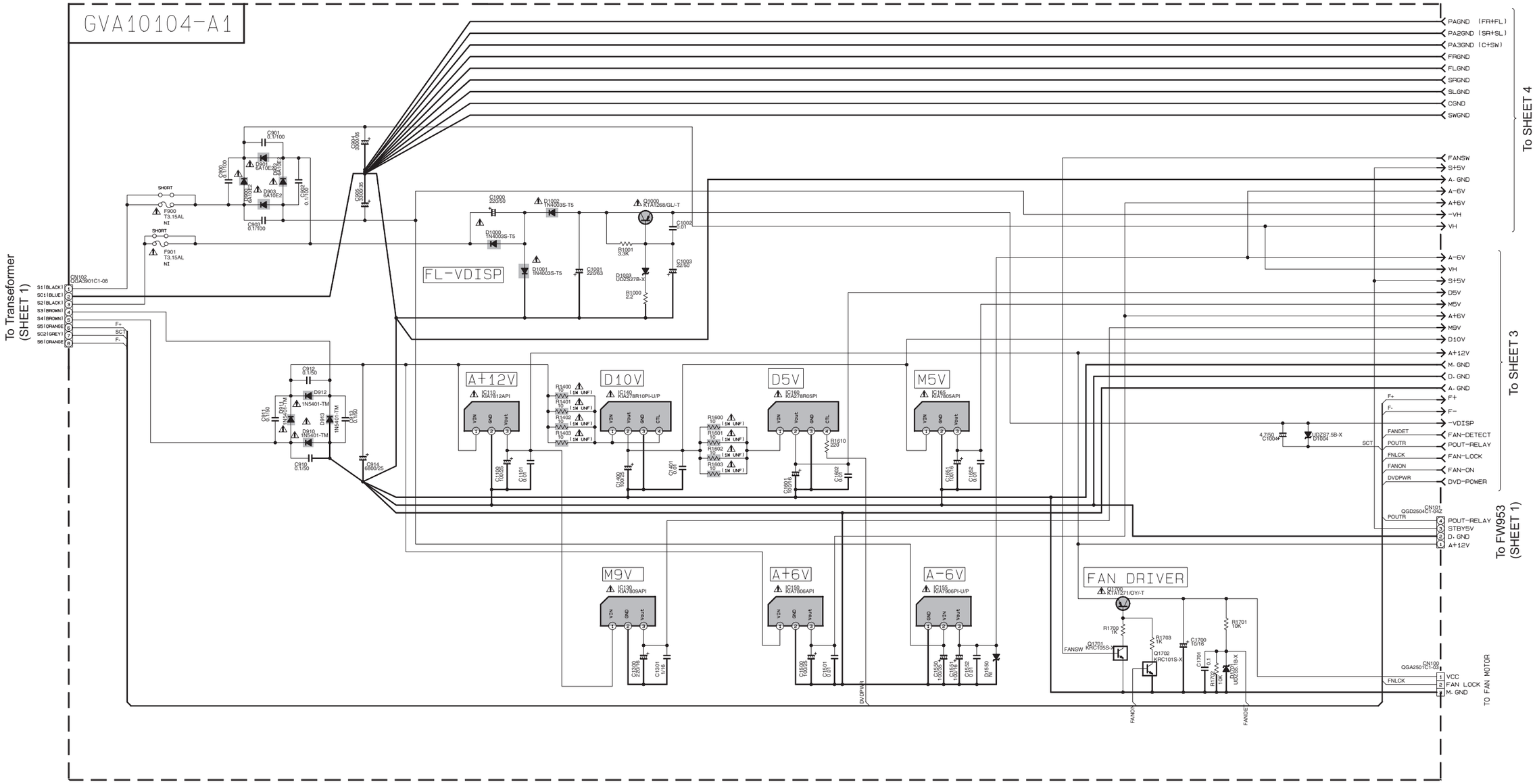


Standard schematic diagrams

■ Transformer section



■ Regulator section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN #F(P=pF).
   ALL INDUCTANCE VALUES ARE IN # H(m=mH).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

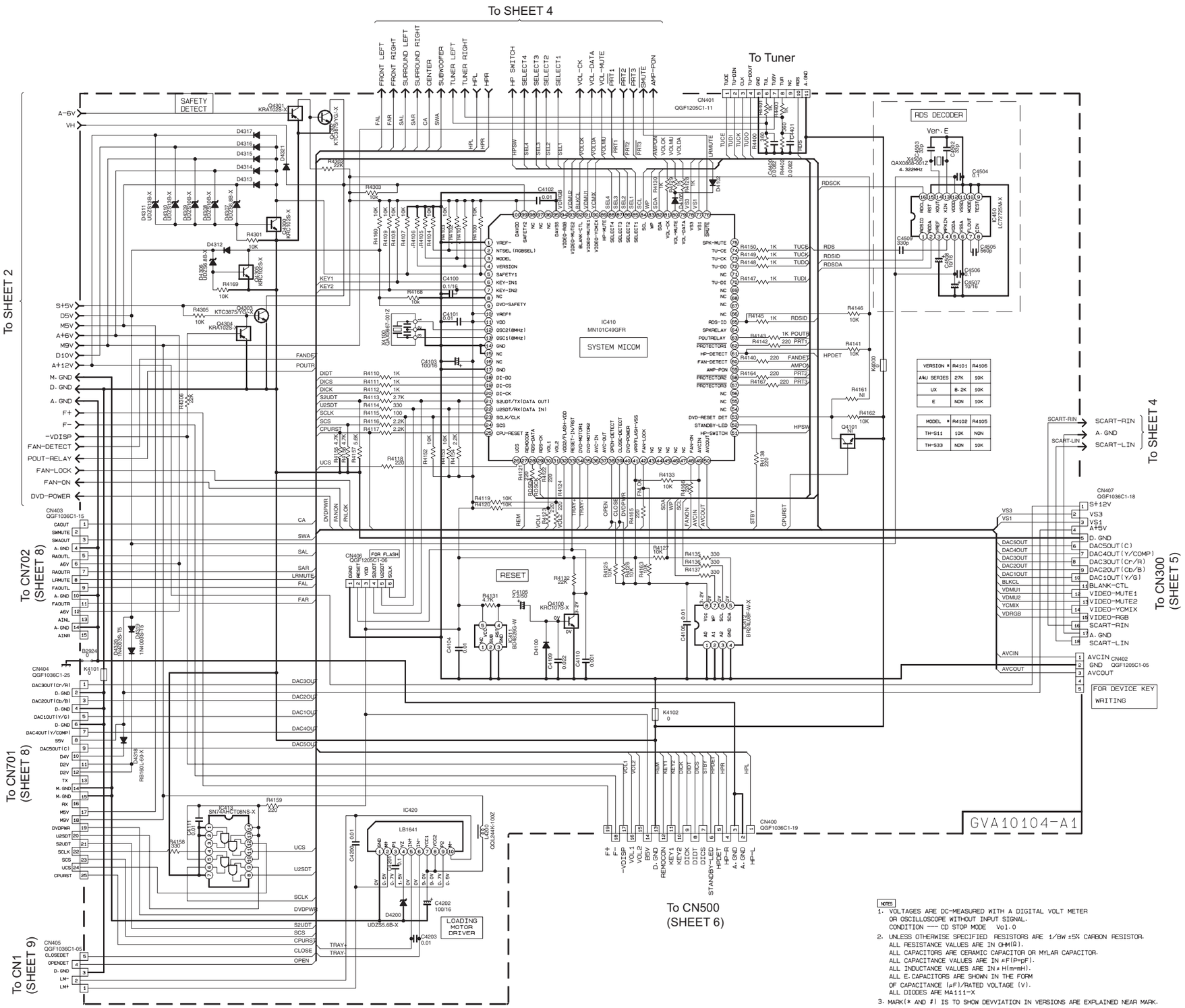
KRC101S-X

KRC105S-X

⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

SHEET 2

■ Micon section



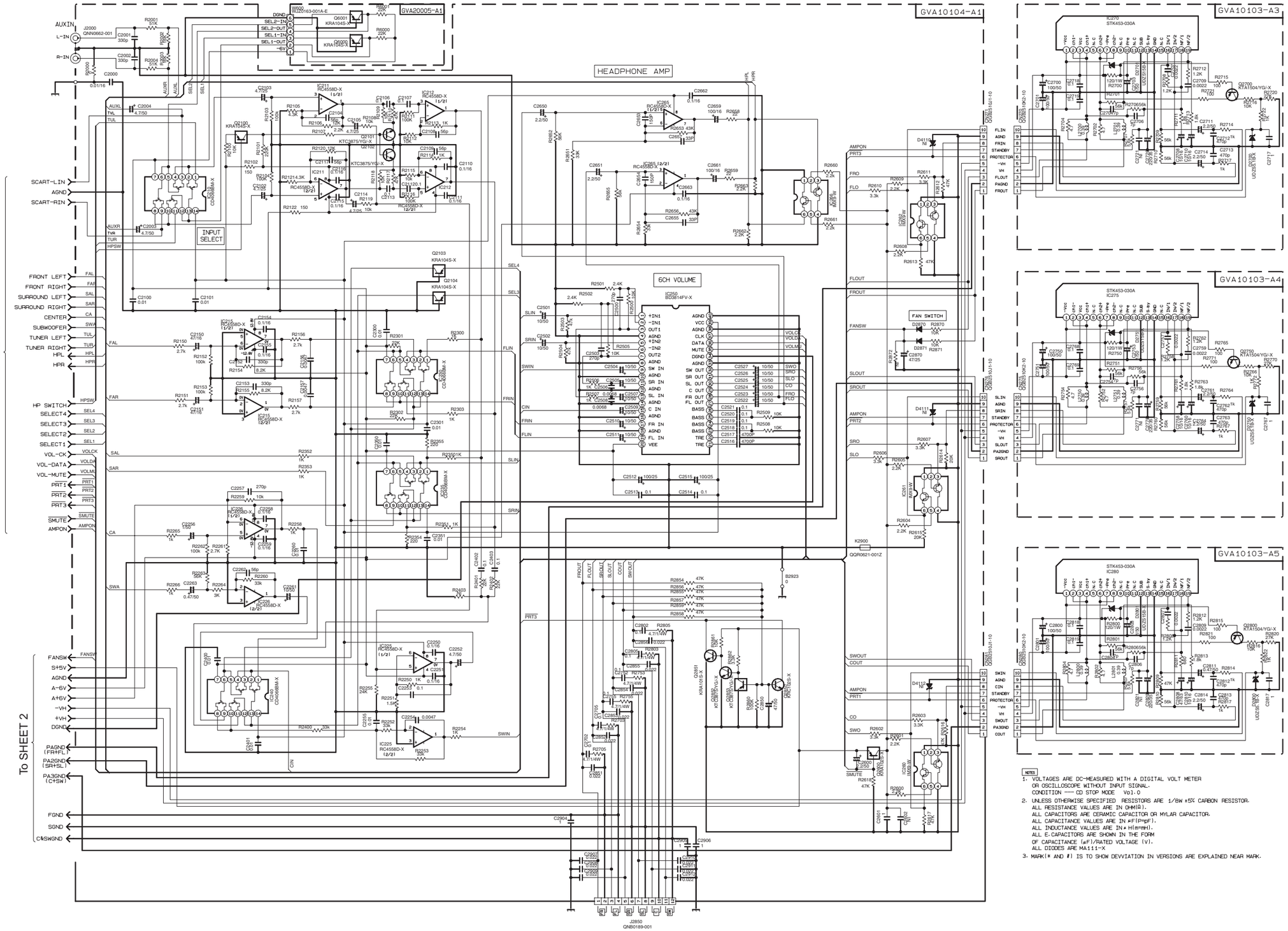
VERSION #	R4101	R4106
AMU SERIES	27K	10K
UX	8.2K	10K
E	NON	10K

MODEL #	R4102	R4105
TH-S11	10K	NON
TH-S33	NON	10K

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

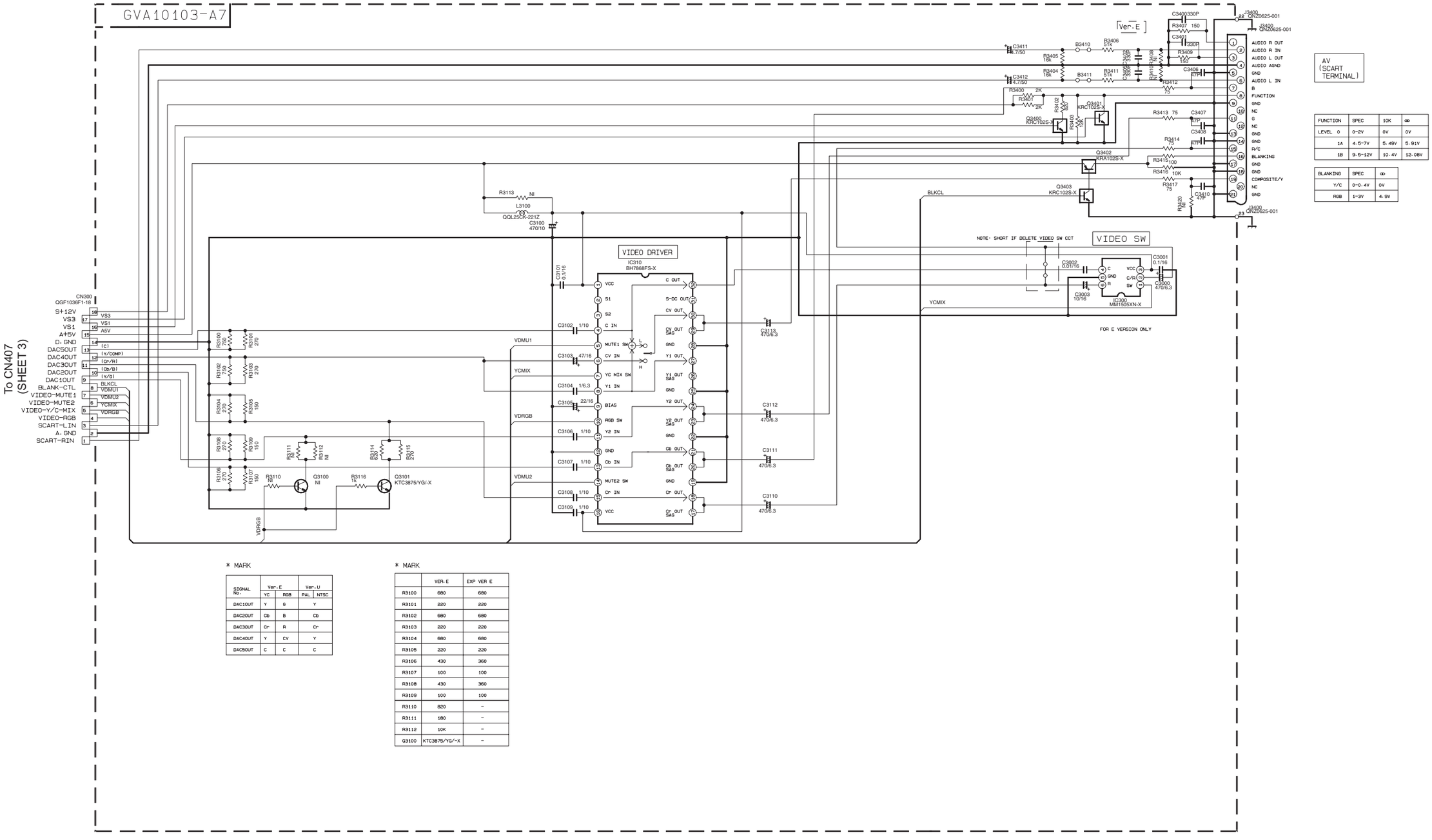
SHEET 3

■ Audio section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION ---- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

■ Video section



FUNCTION	SPEC	10K	∞
LEVEL 0	0~2V	0V	0V
1A	4.5~7V	5.49V	5.91V
1B	9.5~12V	10.4V	12.08V

BLANKING	SPEC	∞
Y/C	0~0.4V	0V
RGB	1~3V	4.9V

* MARK

SIGNAL No.	Ver.E		Ver.U	
	YC	RGB	PAL	NTSC
DAC1OUT	Y	G	Y	
DAC2OUT	Cb	B	Cb	
DAC3OUT	Cr	R	Cr	
DAC4OUT	Y	CV	Y	
DAC5OUT	C	C	C	

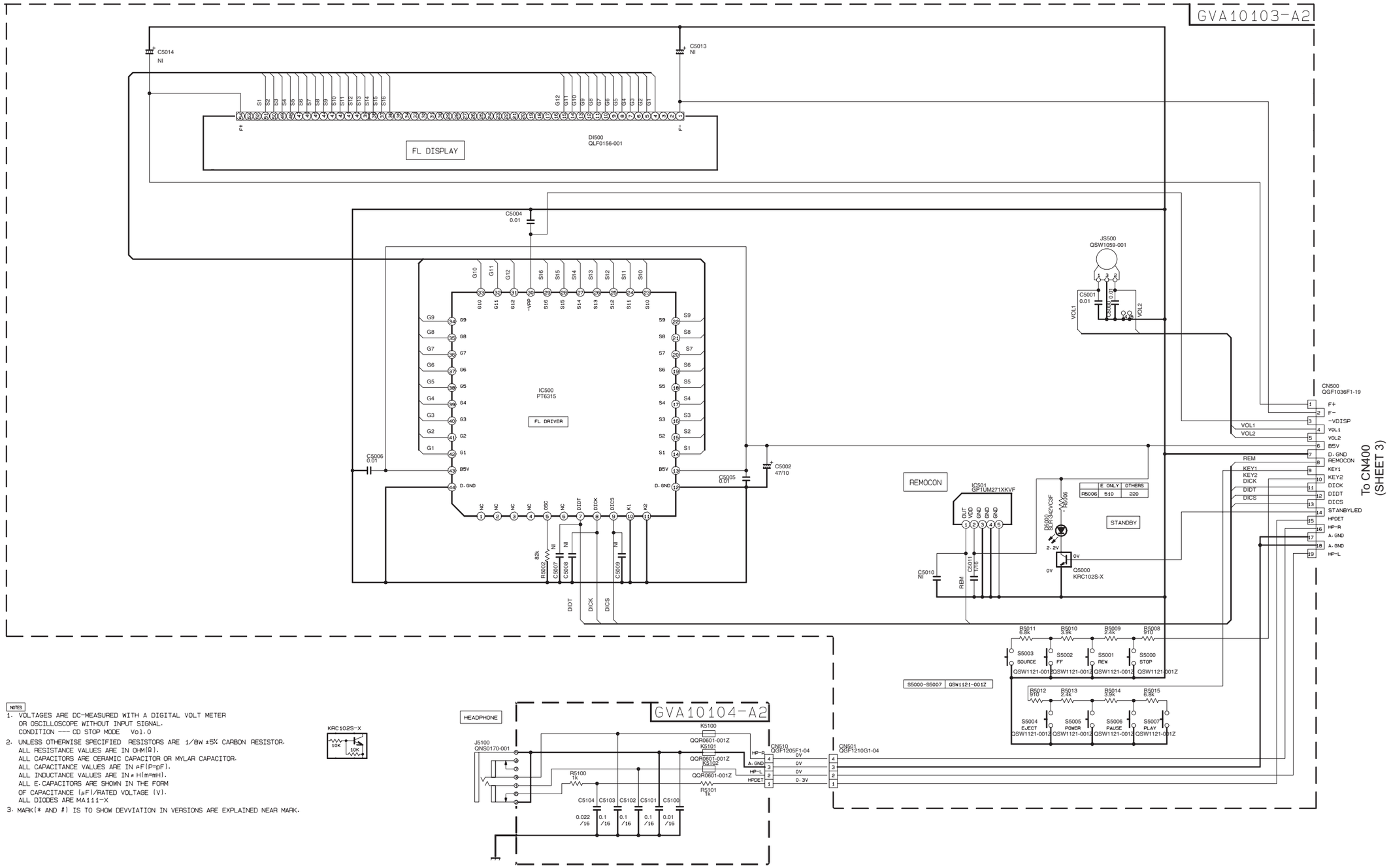
* MARK

	VER.E	EXP VER E
R3100	680	680
R3101	220	220
R3102	680	680
R3103	220	220
R3104	680	680
R3105	220	220
R3106	430	360
R3107	100	100
R3108	430	360
R3109	100	100
R3110	820	-
R3111	180	-
R3112	10K	-
Q3100	KTC3875/YG/-X	-

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN ≠ H(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

SHEET 5

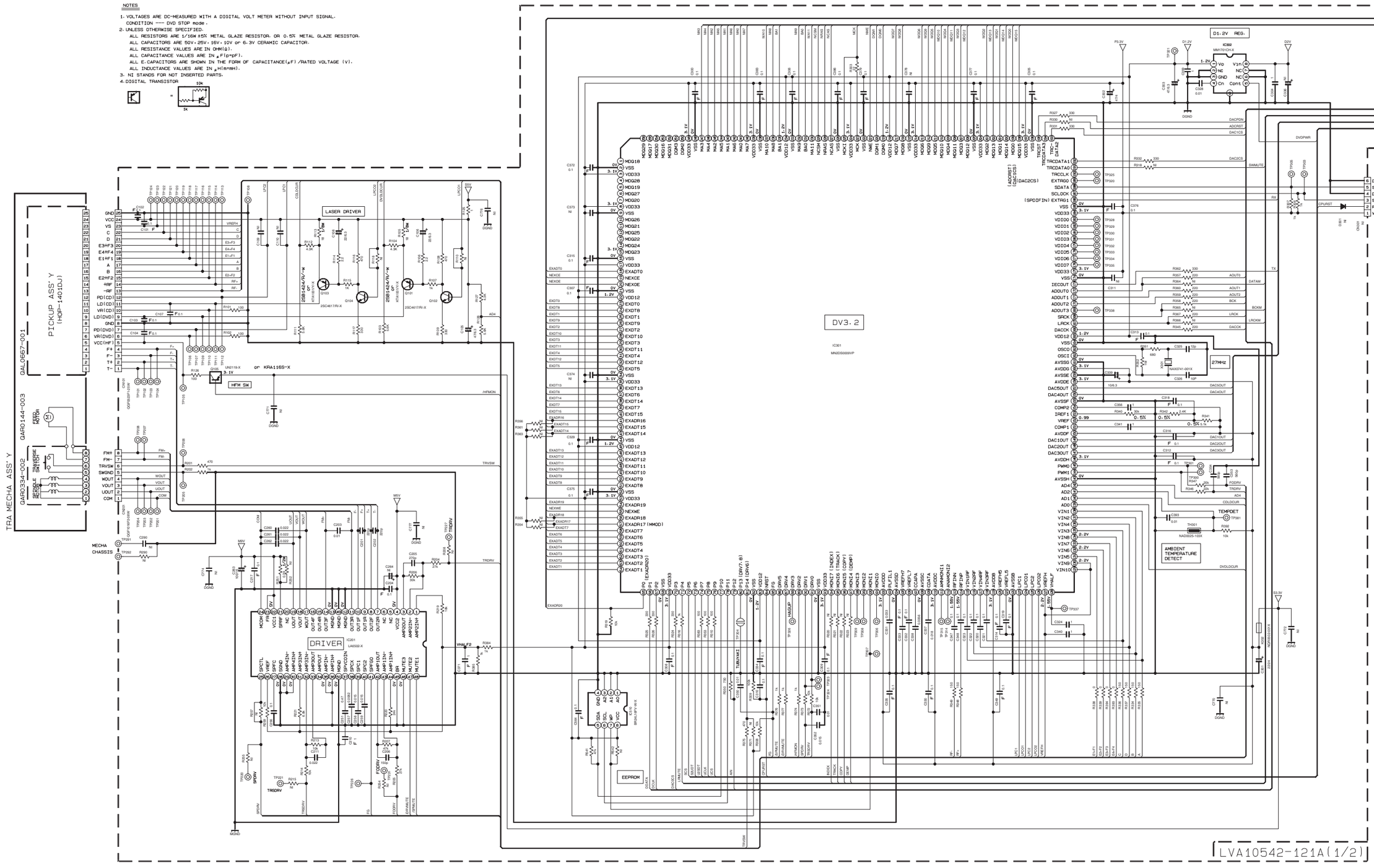
■ Front section



NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

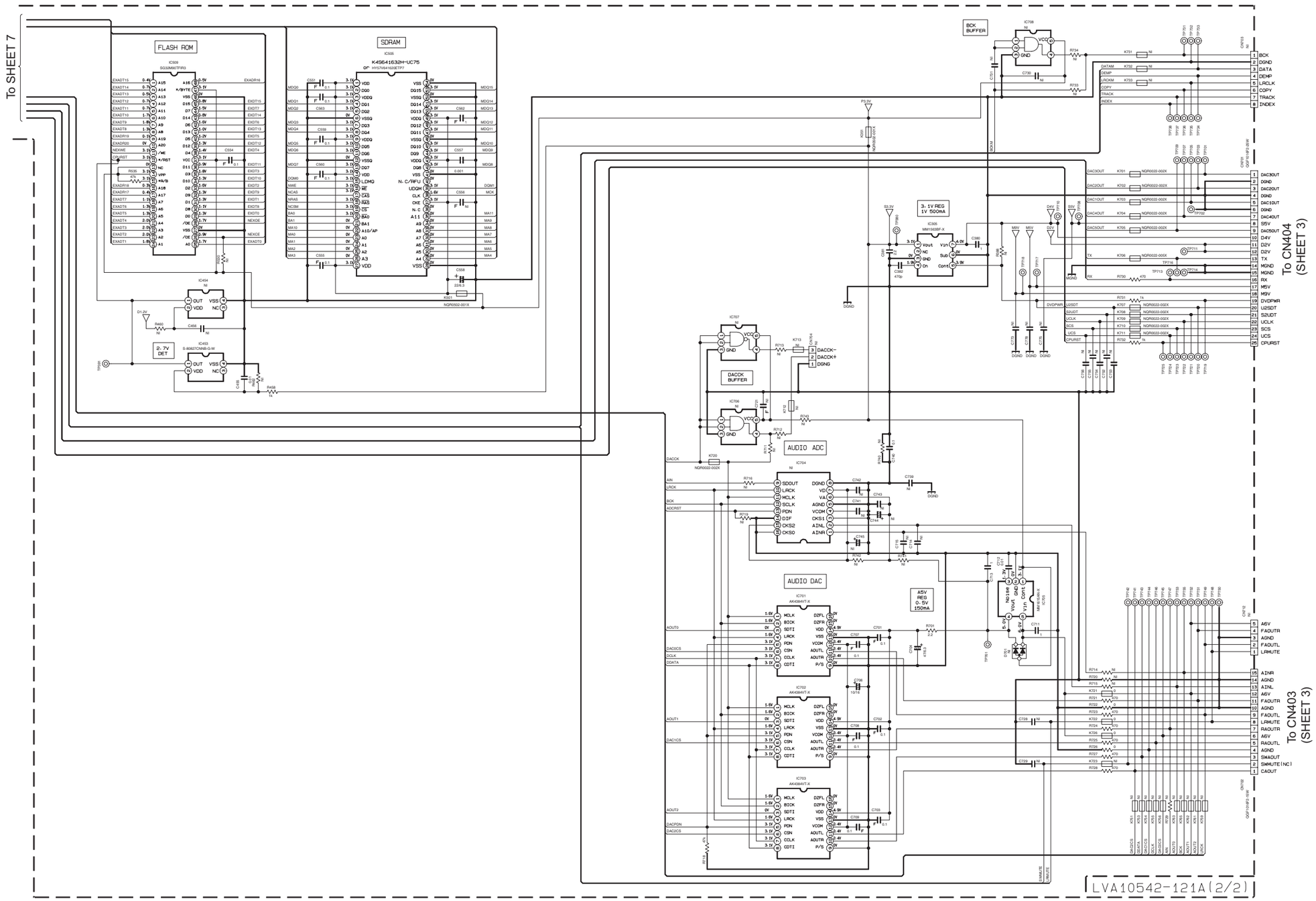
KRC102S-X

■ DVD servo control section (1/2)



SHEET 7

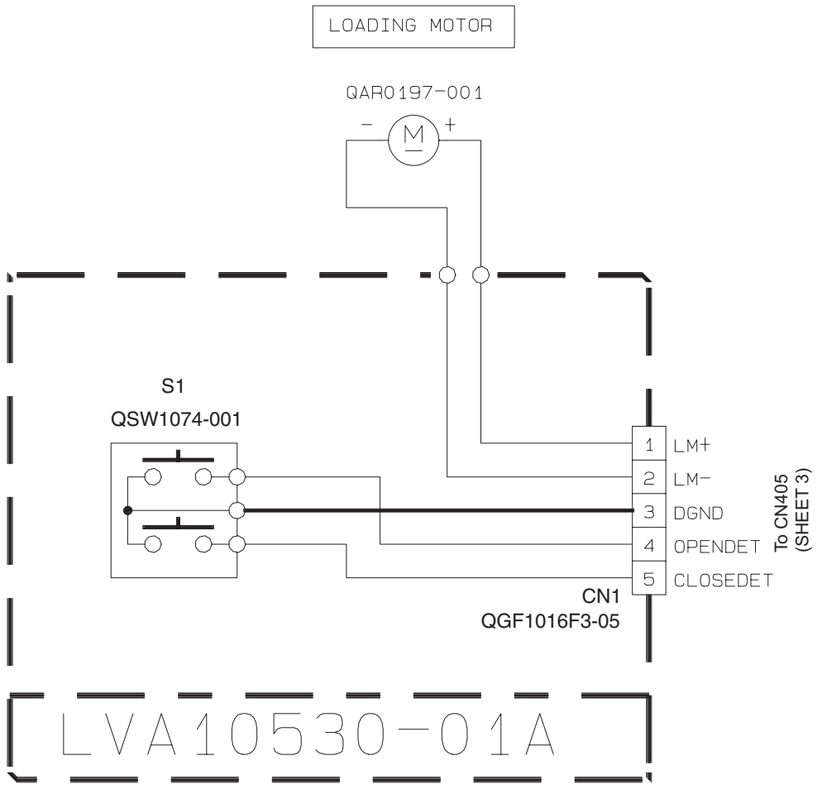
■ DVD servo control section (2/2)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ---- DVD STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

SHEET 8


LOADING MOTOR
QAR0197-001
M
S1
QSW1074-001
1 LM+
2 LM−
3 DGND
4 OPENDET
5 CLOSEDET
To CN405
(SHEET 3)
CN1
QGF1016F3-05
LVA10530-01A

< MEMO >

SHEET 9

Printed circuit boards

■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

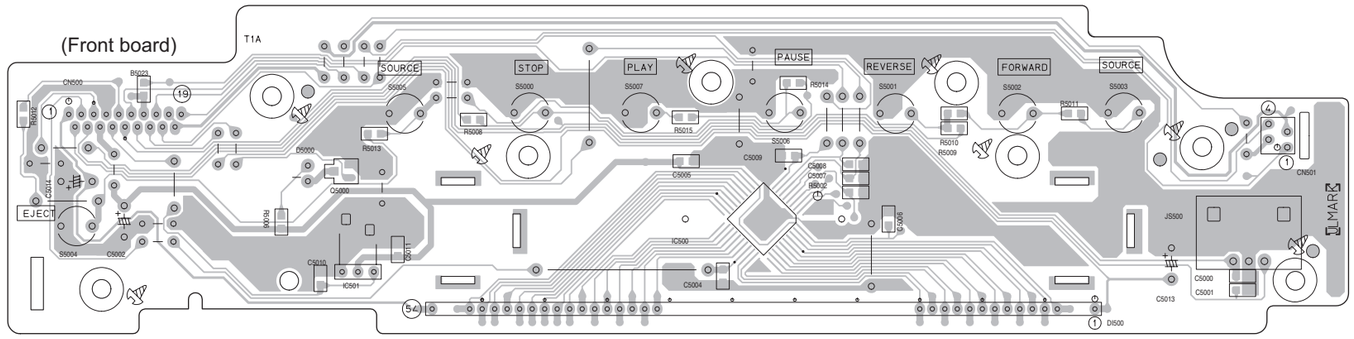
(Main board)

(HP terminal board)

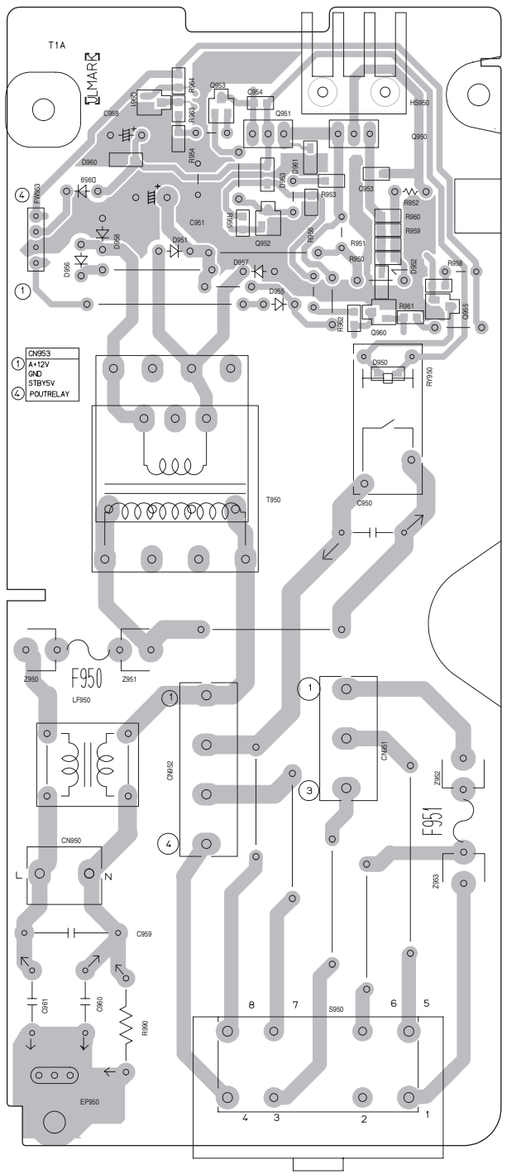
■ Trans board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

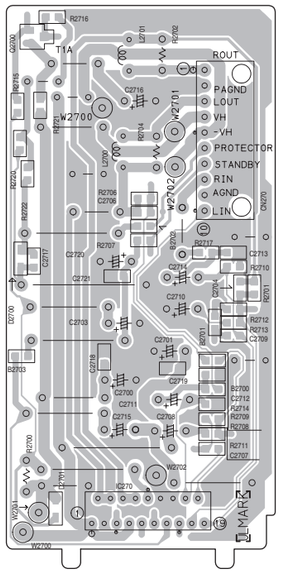
(Front board)



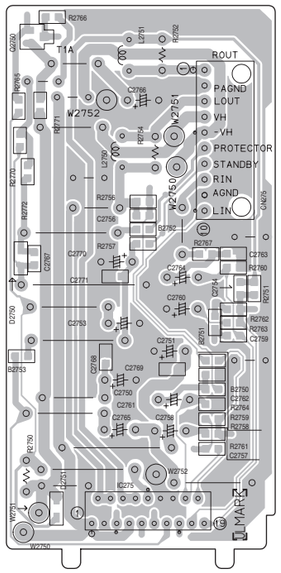
(Transformer board)



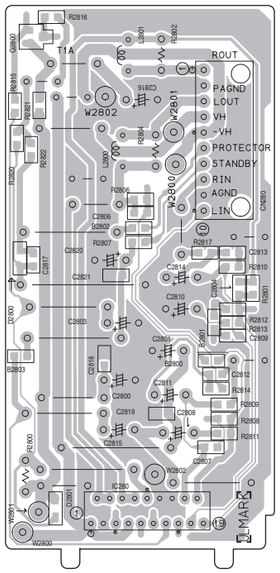
(FL & FR Power Amp. board)



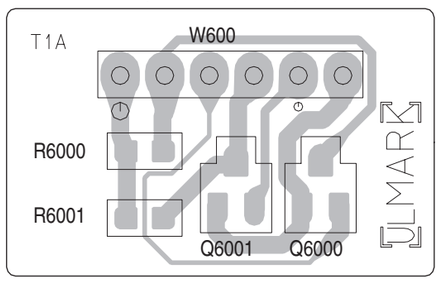
(SL & SR Power Amp. board)



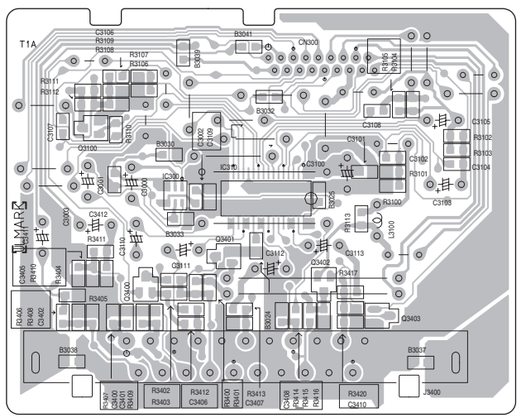
(CEN & SW Power Amp. board)



(Transistor board)



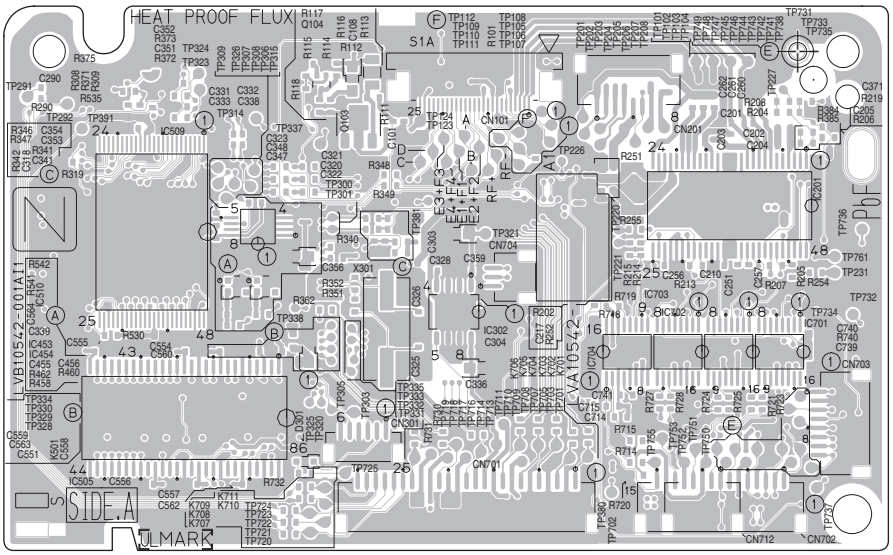
(Scart terminal board)



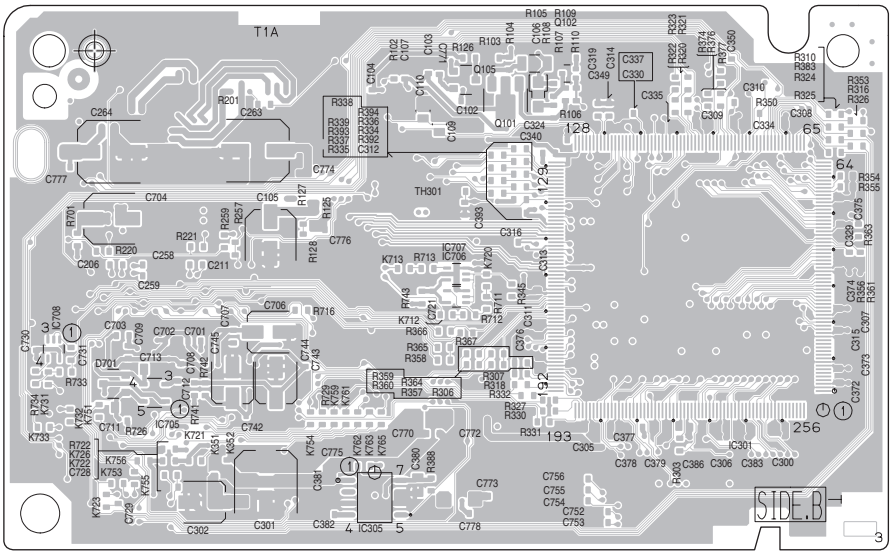
■ DVD servo control board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

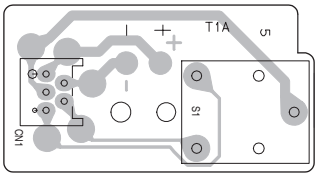


Reverse side



■ DVD loading switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB393SCH)

Printed in Japan
VPT

PARTS LIST

[TH-S33] [TH-S11]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

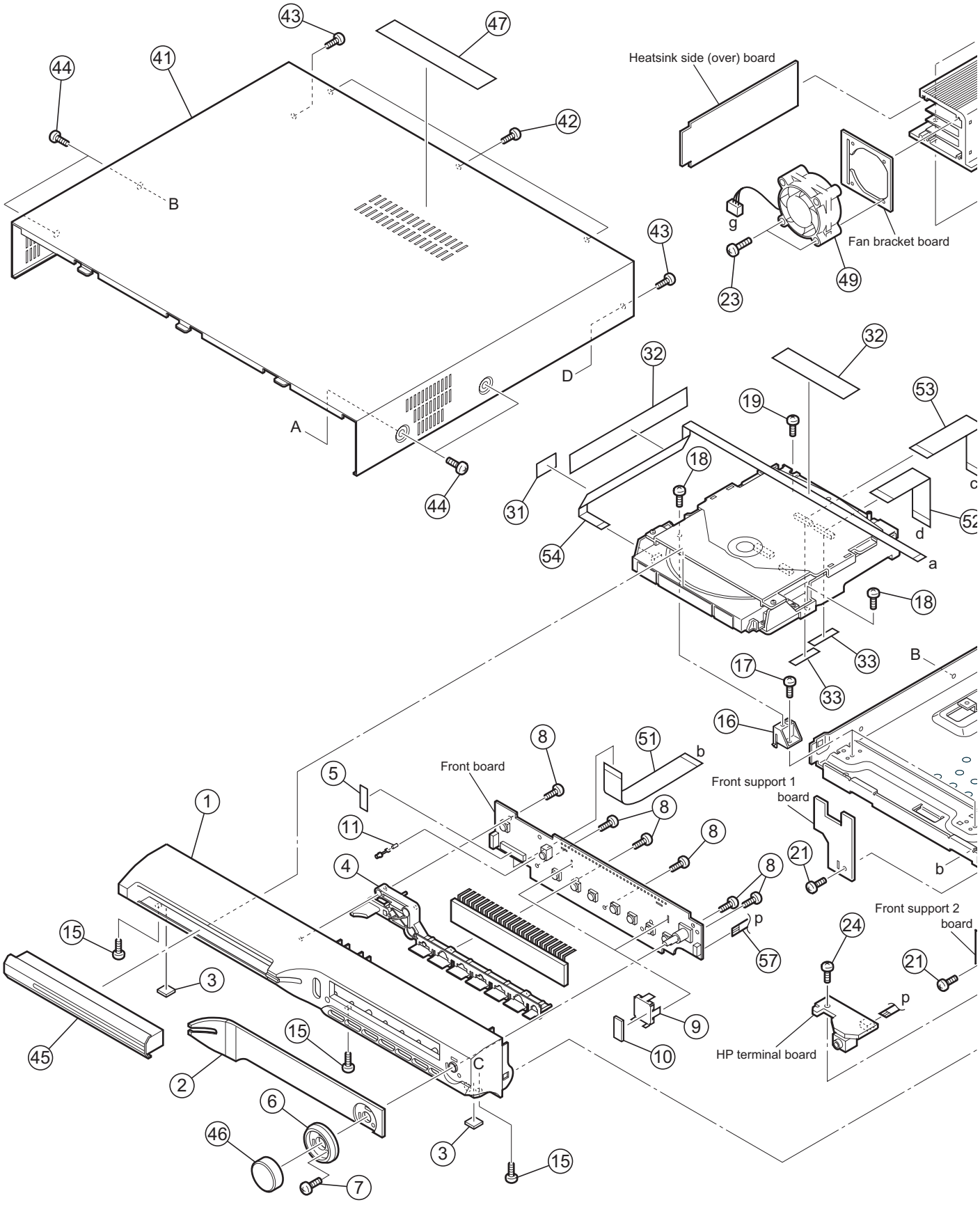
B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE ---------- Russian Federation

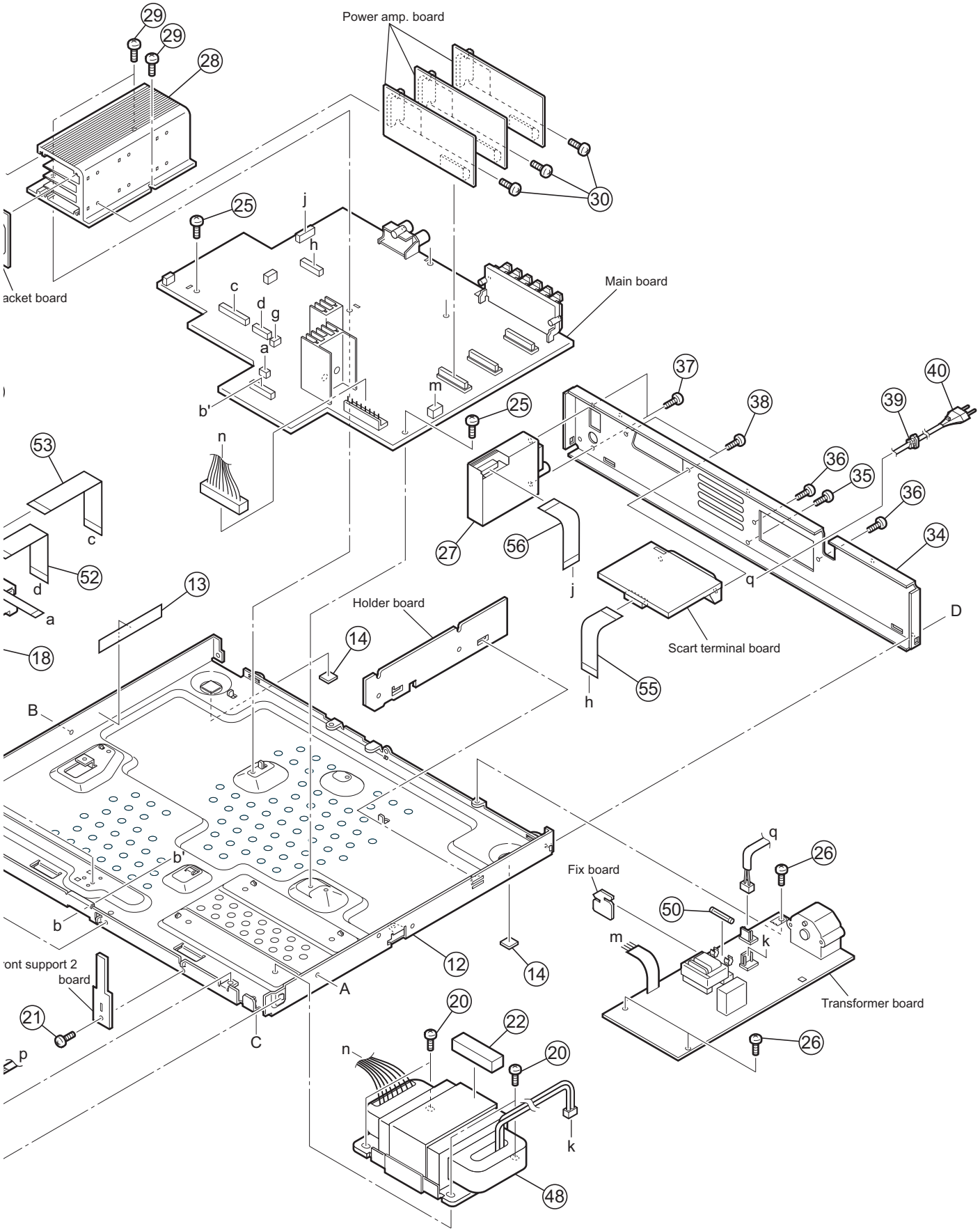
- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
Speaker assembly and parts list(Subwoofer) (Block No.M2) (TH-S33) ---------- 3- 5
DVD mechanism assembly and parts list (Block No.MJ) ---------- 3- 6
DVD loading base assembly and parts list (Block No.MN) ---------- 3- 8
Electrical parts list (Block No.01~04) ---------- 3-10
Packing materials and accessories parts list (Block No.M3)
(TH-S33 B,E,EN,EV) ---------- 3-18
Packing materials and accessories parts list (Block No.M4) (TH-S33 EE) ---------- 3-20
Packing materials and accessories parts list (Block No.M5)
(TH-S11 B,E,EN,EV) ---------- 3-22
Packing materials and accessories parts list (Block No.M6) (TH-S11 EE) ---------- 3-24

Exploded view of general assembly and parts list

Block No. M 1 M M




Power amp. board
Main board
Holder board
Scart terminal board
Fix board
Transformer board
ont support 2
board
acket board

General Assembly

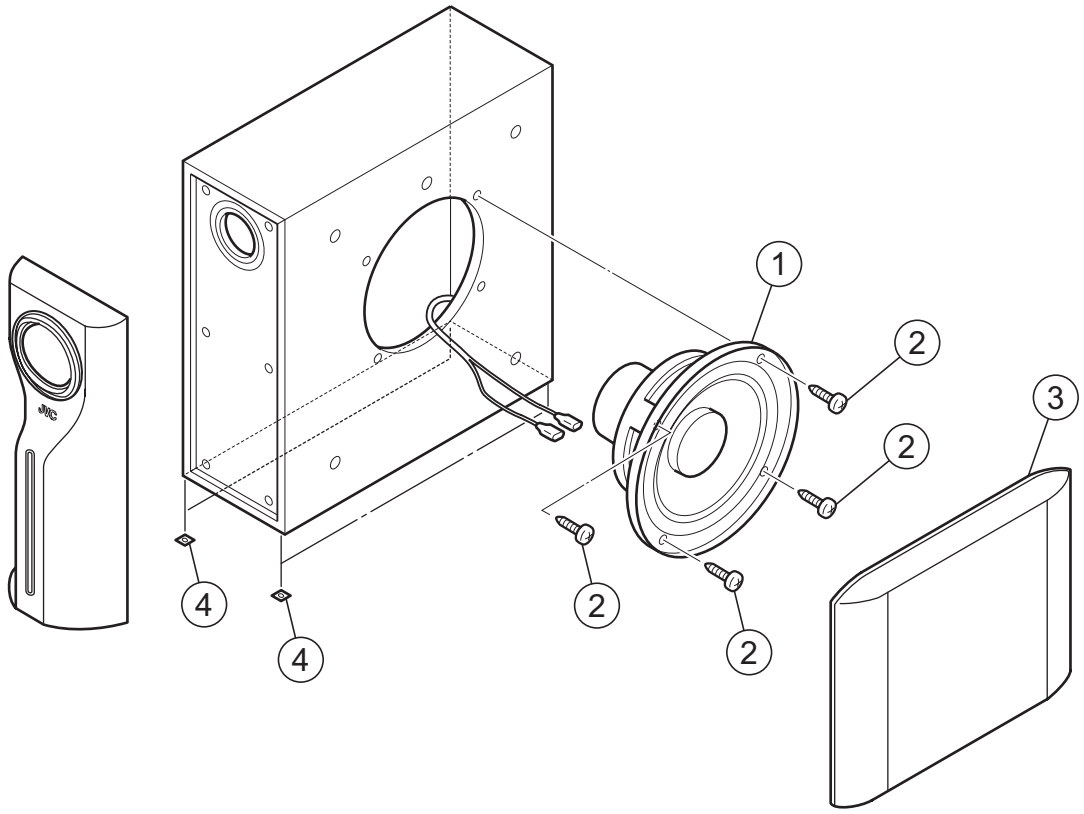
Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10166-027A	FRONT PANEL		S11B,S11E,S11EE,S11EN,S11EV
	1	GV10166-028A	FRONT PANEL		S33B,S33E,S33EE,S33EN,S33EV
	2	GV30519-005A	WINDOW LENS		
	3	LV40301-001A	FELT SPACER	(x2)	
	4	GV10167-001A	CONTROL BUTTON		
	5	GV40121-005A	SPACER		
	6	GV30522-001A	VOL RING		
	7	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	8	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x6)	
	9	LV43659-001A	FL HOLDER	(x2)	
	10	GV30349-020A	FELT SPACER	(x2)	
	11	GV40531-001A	LED HOLDER		
	12	GV10274-001A	CHASSIS BASE		
	13	LV41843-002A	LASER CAUTION		
	14	LV40301-002A	FELT SPACER	(x2)	
	15	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
	16	GV40474-001A	MECHA HOLDER F	(x2)	
	17	QYSDST3005ZA	TAP SCREW	M3 x 5mm(x2)	
	18	QYSBSF3008ZA	TAP SCREW	M3 x 8mm(x2)	
	19	QYSBSG3008EA	TAP SCREW	M3 x 8mm	
	20	QYSBST4006ZA	TAP SCREW	M4 x 6mm(x4)	
	21	QYSDST3005ZA	TAP SCREW	M3 x 5mm(x2)	
	22	GV30349-040A	SPACER		
	23	QYSPSG3015ZA	TAP SCREW	M3 x 15mm(x2)	
	24	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	25	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	26	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x3)	
	27	QAU0347-002	TUNER ASSY.	TU 1	
	28	GV30724-001A	HEAT SINK		
	29	QYSBST3008ZA	TAP SCREW	M3 x 8mm(x3)	
	30	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm(x6)	
	31	LV30225-035A	SPACER		
	32	GV30349-032A	SPACER	(x2)	
	33	GV40121-005A	SPACER	(x2)	
	34	GV10275-002A	REAR PANEL		S11EE
	34	GV10275-001A	REAR PANEL		S11B,S11E,S11EN,S11EV
	34	GV10275-011A	REAR PANEL		S33EE
	34	GV10275-010A	REAR PANEL		S33B,S33E,S33EN,S33EV
	35	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	36	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	37	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	38	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
⚠	39	QZW0033-001	STRAIN RELIEF		
⚠	40	QMPN150-200-JC	POWER CORD(EU)	2m BLACK	S11B,S33B
⚠	40	QMPK210-205-JN	POWER CORD(EU)	2.05m BLACK	S11E,S11EE,S11EN,S11EV, S33E,S33EE,S33EN,S33EV
	41	GV10170-007A/S/	METAL COVER		
	42	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	43	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	44	E406308-007	SCREW	(x4)	
	45	GV30619-001A	CD FITTING		
	46	GV30521-001A	VOLUME KNOB		
	47	E409396-003	CAUTION LABEL		
⚠	48	QQT0484-001	POWER TRANSF	T 901	
	49	QAR0363-001	COOLING FAN		
⚠	50	QMF51W2-1R6-J8	FUSE	1.6A AC250V	
	51	QUQH10-1917AJ-E	FFC WIRE	19pin 17cm	
	52	QUQH10-1511AJ-E	FFC WIRE	15pin 11cm	
	53	QUQH10-2511AJ-E	FFC WIRE	25pin 11cm	
	54	QUQH10-0533AJ-E	FFC WIRE	5pin 33cm	
	55	QUQH10-1809AJ-E	FFC WIRE	18pin 9cm	
	56	QUQH12-1109CJ-E	FFC WIRE	11pin 9cm	
	57	QUQH12-0408DJ-E	FFC WIRE	4pin 8cm	

Speaker assembly and parts list

(Subwoofer) (TH-S33)

Block No. M 2 M M



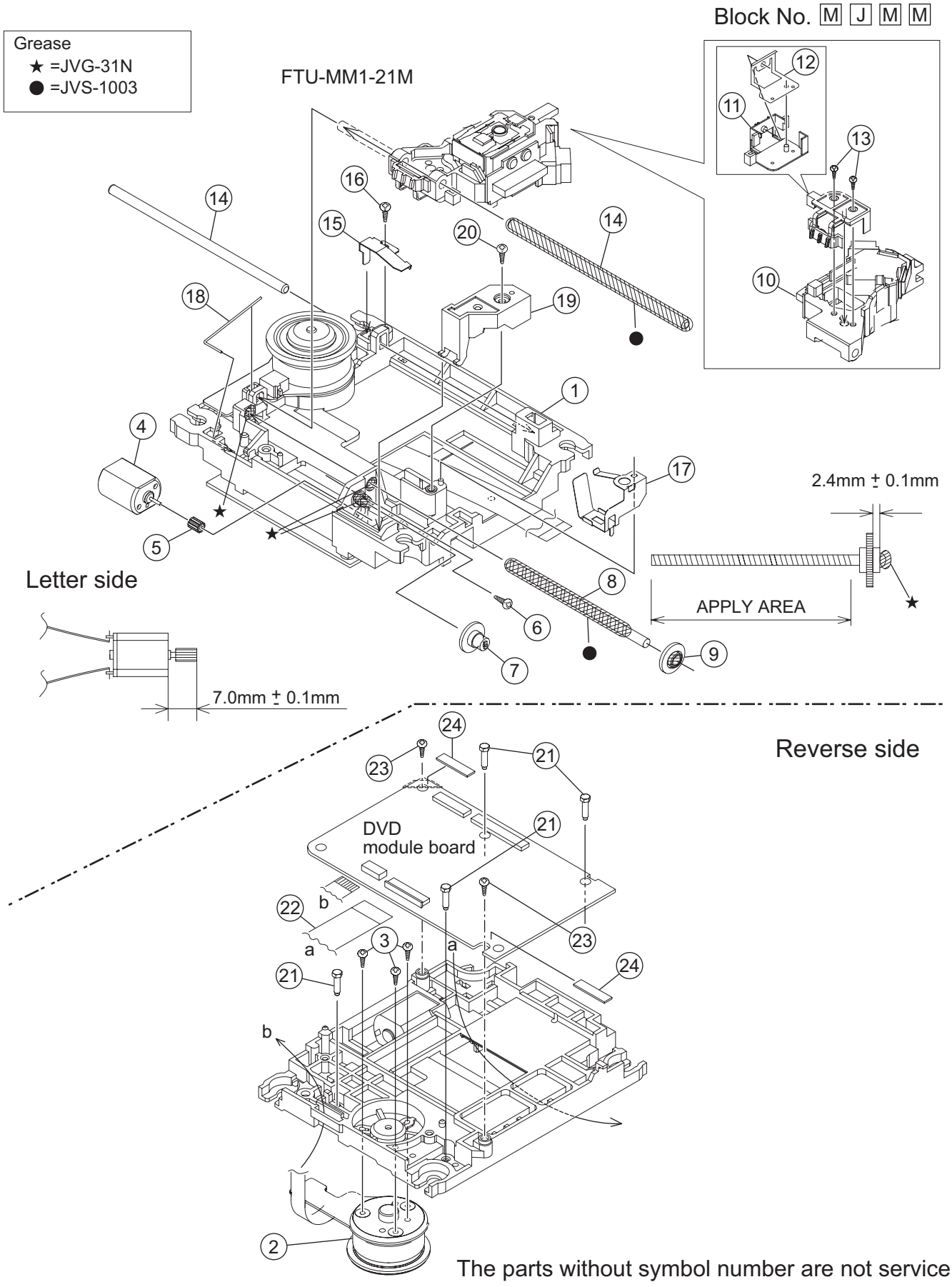
The parts without symbol number are not service.

Speaker(Subwoofer) (TH-S33)

Block No. [M][2][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LE10016-066A	CONE SPK		
	2	7001541605	TAPPING SCREW	(x4)	
	3	LV10964-001A	NET ASSY		
	4	5600006901	RUBBER FOOT	(x4)	

DVD mechanism assembly and parts list



The parts without symbol number are not service.

DVD mechanism

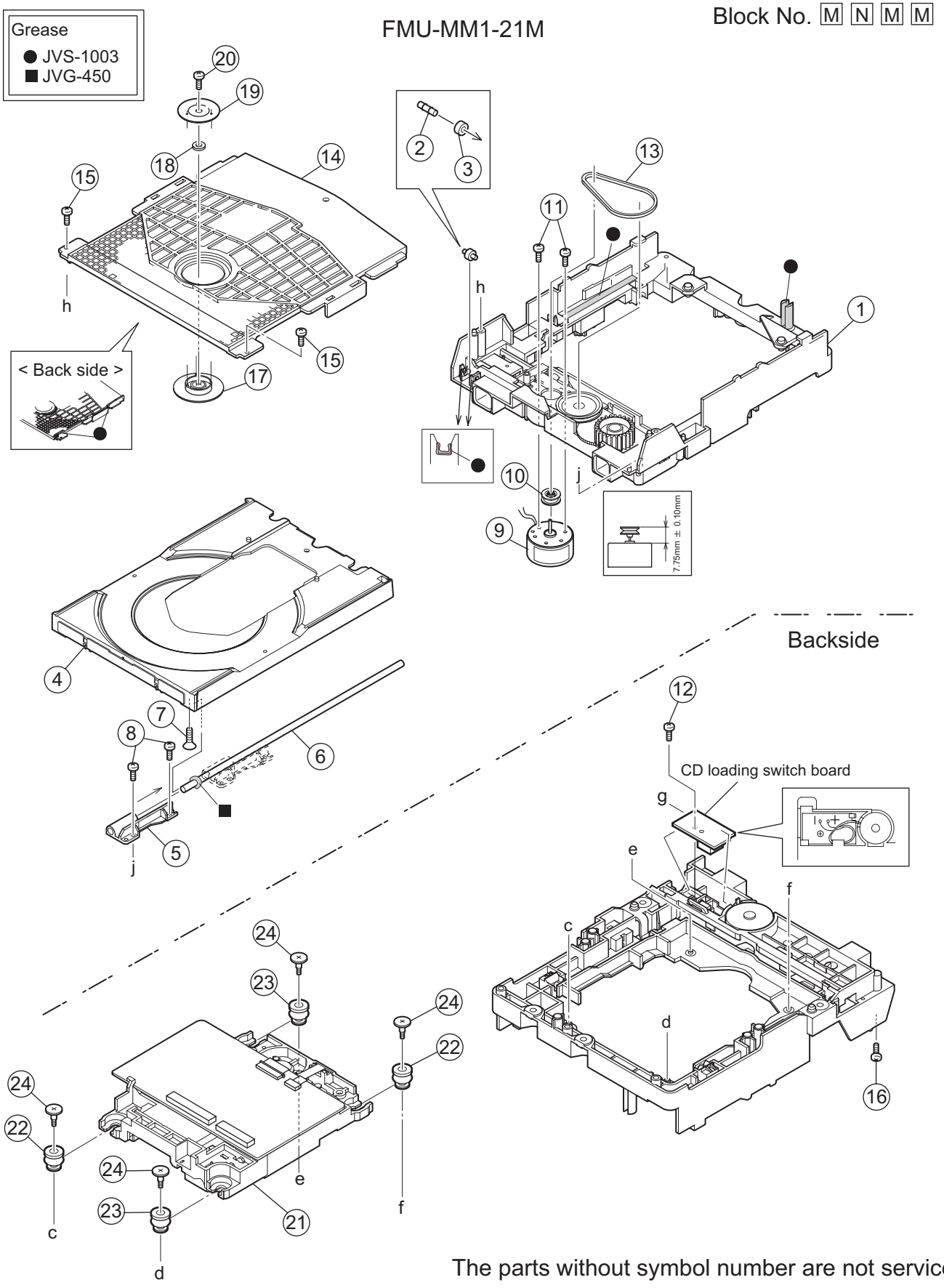
Block No. [M][J][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10984-001A	S.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-001	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-001A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	
	22	LV44092-001A	PICK FFC		
	23	LV44209-001A	WASHER SCREW	(x2)	
	24	LV30225-0V6A	SPACER	(x2)	

DVD loading base assembly and parts list

Block No. M N M M

FMU-MM1-21M



The parts without symbol number are not service.

DVD loading base

Block No. [M][N][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11065-002A	LOADER SUB ASSY		
	2	E407140-001SS	C.D ROLLER		
	3	E407149-001SS	RUBBER TUBE		
	4	LV10979-002A	TRAY		
	5	LV35499-001A	SHAFT GUIDE		
	6	LV44022-001A	SHAFT		
	7	QYSSSF2008ZA	TAP SCREW	M2 x 8mm	
	8	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	9	QAR0197-001	MOTOR		
	10	LV43844-002A	MOTOR PULLEY		
	11	QYSPSPU1730ZA	SCREW	M1.7 x 3mm(x2)	
	12	QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
	13	LV43974-001A	BELT		
	14	LV21852-003A	CLAMPER BASE		
	15	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	16	LV41741-004A	SPECIAL SCREW		
	17	LV35056-002A	DVD CLAMPER		
	18	LV42930-003A	P.C.MAGNET		
	19	LV43848-001A	YOKE		
	20	LE40906-002A	SPECIAL SCREW		
	21	----------	SINGLE DVD TRAM		
	22	LV44043-002A	INSULATOR	(x2)	
	23	LV44043-003A	INSULATOR	(x2)	
	24	LV44044-001A	SPECIAL SCREW	(x4)	

Electrical parts list

Trans board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC270	STK453-030A	IC		
IC275	STK453-030A	IC		
IC280	STK453-030A	IC		
IC300	MM1505XN-X	IC		
IC310	BH7868FS-X	IC		
IC500	PT6315	IC		
IC501	GP1UM271XKVF	IR DETECT UNIT		
Q951	KTB772/Y/	TRANSISTOR		
Q952	KTC3875/YG/-X	SI TRANSISTOR		
Q953	KTC3875/YG/-X	SI TRANSISTOR		
Q955	KTC3875/YG/-X	SI TRANSISTOR		
Q961	KTC3875/YG/-X	SI TRANSISTOR		
Q2700	KTA1504/YG/-X	SI TRANSISTOR		
Q2750	KTA1504/YG/-X	SI TRANSISTOR		
Q2800	KTA1504/YG/-X	SI TRANSISTOR		
Q3400	KRC102S-X	DIGI TRANSISTOR		
Q3401	KRC102S-X	DIGI TRANSISTOR		
Q3402	KRA102S-X	DIGI TRANSISTOR		
Q3403	KRC102S-X	DIGI TRANSISTOR		
Q5000	KRC102S-X	DIGI TRANSISTOR		
D950	1SS355-X	SI DIODE		
D951	1N4003S-T5	SI DIODE		
D953	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D955	1N4003S-T5	SI DIODE		
D956	1N4003S-T5	SI DIODE		
D957	1N4003S-T5	SI DIODE		
D958	1N4003S-T5	SI DIODE		
D959	1N4003S-T5	SI DIODE		
D960	UDZS6.8B-X	Z DIODE		
D2700	UDZS5.1B-X	Z DIODE		
D2701	UDZS15B-X	Z DIODE		
D2750	UDZS5.1B-X	Z DIODE		
D2751	UDZS15B-X	Z DIODE		
D2800	UDZS5.1B-X	Z DIODE		
D2801	UDZS15B-X	Z DIODE		
D5000	SLR-342VC3F	LED		
C950	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C951	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C954	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C958	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C959	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
C960	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C961	QCZ9079-101	C CAPACITOR	100pF AC250V K	
C2700	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2701	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2703	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2704	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2706	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2707	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2708	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2709	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2710	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2711	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2712	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2713	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2714	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2717	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2718	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2719	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2720	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C2750	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2751	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2753	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2754	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2756	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2757	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2758	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2759	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2760	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2761	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2762	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2763	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2764	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2767	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2768	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2770	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C2800	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2801	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C2803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2804	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2806	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C2807	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2808	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C2809	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2810	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C2811	QEKC1HM-474Z	E CAPACITOR	0.47uF 50V M	
C2812	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2813	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2814	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2817	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C2818	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2819	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2820	QETN1VM-227Z	E CAPACITOR	220uF 35V M	
C3000	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3002	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C3003	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C3100	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C3101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3102	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3103	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C3104	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3105	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C3106	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3107	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3108	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3109	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3110	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3111	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3112	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3113	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3400	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3401	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3402	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3405	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C3406	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3407	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3408	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3410	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3411	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3412	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5000	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5001	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5002	QEKC1AM-476Z	E CAPACITOR	47uF 10V M	
C5004	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5005	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5006	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5011	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R953	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R954	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R955	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R956	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R958	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R963	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R964	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2700	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2701	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2702	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2704	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2706	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2707	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2708	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2709	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2710	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2711	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2712	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2713	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2717	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2720	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2750	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2751	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2752	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2754	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2756	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2757	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2758	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2759	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2760	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2761	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2762	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2763	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2765	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2766	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2770	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2771	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2772	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2800	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
R2801	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2802	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2804	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2806	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2807	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2808	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2809	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2810	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2811	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2812	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2813	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2814	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2816	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2817	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2820	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2821	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2822	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3100	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R3101	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3102	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R3103	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3104	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3105	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3106	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3107	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3400	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R3401	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R3402	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3403	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3404	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R3405	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R3406	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R3407	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3409	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3411	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R3412	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R5002	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R5006	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R5008	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R5009	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R5010	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5011	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5012	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R5013	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R5014	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5015	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
L2700	QQLZ035-R39	COIL	0.39uH	
L2701	QQLZ035-R39	COIL	0.39uH	
L2750	QQLZ035-R39	COIL	0.39uH	
L2751	QQLZ035-R39	COIL	0.39uH	
L2800	QQLZ035-R39	COIL	0.39uH	
L2801	QQLZ035-R39	COIL	0.39uH	
L3100	QQL25CK-221Z	COIL	220uH K	
⚠ T950	QQT0253-002	POWER TRANSF		
CN270	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN275	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN280	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN300	QGF1036F1-18	CONNECTOR	FFC/FPC (1-18)	
CN500	QGF1036F1-19	CONNECTOR	FFC/FPC (1-19)	
CN501	QGF1210G1-04	CONNECTOR	FFC/FPC (1-4)	
CN950	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN952	QGA7901C1-02	CONNECTOR	W-B (1-2)	
DI500	QLF0156-001	FL TUBE		
EP950	QNZ0136-001Z	EARTH PLATE		
FW953	QUM024-07DGZ4-E	FLAT WIRE		
J3400	QNZ0625-001	RGB CONNECTOR		
JS500	QSW1059-001	JOG VOLUME		
⚠ LF950	QQR1360-001	LINE FILTER		
⚠ RY950	QSK0124-001	RELAY		
S5000	QSW1121-001Z	PUSH SW I.M		
S5001	QSW1121-001Z	PUSH SW I.M		
S5002	QSW1121-001Z	PUSH SW I.M		
S5003	QSW1121-001Z	PUSH SW I.M		
S5004	QSW1121-001Z	PUSH SW I.M		
S5005	QSW1121-001Z	PUSH SW I.M		
S5006	QSW1121-001Z	PUSH SW I.M		
S5007	QSW1121-001Z	PUSH SW I.M		
Z950	QNG0003-001Z	FUSE CLIP		
Z951	QNG0003-001Z	FUSE CLIP		

Micon board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC110	KIA7812API	IC		
⚠ IC130	KIA7809API	IC		
⚠ IC140	KIA278R10PI-U/P	IC		
⚠ IC150	KIA7806API	IC		
⚠ IC155	KIA7906PI-U/P	IC		
⚠ IC160	KIA278R05PI	TRANSISTOR		
⚠ IC165	KIA7805API	IC		
IC210	CD4066BM-X	IC		
IC211	RC4558D-X	IC		
IC212	RC4558D-X	IC		
IC215	RC4558D-X	IC		
IC225	RC4558D-X	IC		
IC226	RC4558D-X	IC		
IC230	CD4066BM-X	IC		
IC235	CD4066BM-X	IC		
IC240	CD4066BM-X	IC		
IC250	BD3814FV-X	IC		
IC260	IMX9-W	TRANSISTOR		
IC261	IMX9-W	TRANSISTOR		
IC262	IMX9-W	TRANSISTOR		
IC265	RC4558D-X	IC		
IC266	IMX9-W	TRANSISTOR		
IC410	MN101C49GFR1	MASK ROM		
IC411	BD4826G-W	IC		
IC412	BR24L08F-W-X	IC(DIGITAL)		
IC413	SN74AHCT08NS-X	IC		

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC420	LB1641	IC		
IC450	LC72725M-X	IC		
⚠ Q1000	KTA1268/GL/-T	TRANSISTOR		
⚠ Q1700	KTA1271/OY/-T	TRANSISTOR		
Q1701	KRC105S-X	DIGI TRANSISTOR		
Q1702	KRC101S-X	TRANSISTOR		
Q2100	KRA104S-X	DIGI TRANSISTOR		
Q2101	KTC3875/YG/-X	SI TRANSISTOR		
Q2102	KTC3875/YG/-X	SI TRANSISTOR		
Q2103	KRA104S-X	DIGI TRANSISTOR		
Q2104	KRA104S-X	DIGI TRANSISTOR		
Q2600	KRA102S-X	DIGI TRANSISTOR		
Q2850	KRC102S-X	DIGI TRANSISTOR		
Q2851	KRA101S-X	D.TRANSISTOR		
Q2852	KTC3875/YG/-X	SI TRANSISTOR		
Q2853	KTC3875/YG/-X	SI TRANSISTOR		
Q4100	KRC107S-X	DIGI TRANSISTOR		
Q4300	KRC102S-X	DIGI TRANSISTOR		
Q4301	KRA102S-X	DIGI TRANSISTOR		
Q4302	KTC3875/YG/-X	SI TRANSISTOR		
Q4303	KTC3875/YG/-X	SI TRANSISTOR		
Q4304	KRA102S-X	DIGI TRANSISTOR		
Q4305	KRC102S-X	DIGI TRANSISTOR		
Q6000	KRA104S-X	DIGI TRANSISTOR		
Q6001	KRA104S-X	DIGI TRANSISTOR		
⚠ D900	6A10E2	SI DIODE		
⚠ D901	6A10E2	SI DIODE		
⚠ D902	6A10E2	SI DIODE		
⚠ D903	6A10E2	SI DIODE		
⚠ D910	1N5401-TM	SI DIODE		
⚠ D911	1N5401-TM	SI DIODE		
⚠ D912	1N5401-TM	SI DIODE		
⚠ D913	1N5401-TM	SI DIODE		
⚠ D1000	1N4003S-T5	SI DIODE		
⚠ D1001	1N4003S-T5	SI DIODE		
⚠ D1002	1N4003S-T5	SI DIODE		
D1003	UDZS27B-X	Z DIODE		
D1004	UDZS7.5B-X	Z DIODE		
D1500	1N4003S-T5	SI DIODE		
D1701	UDZS5.1B-X	Z DIODE		
D2870	1SS355-X	SI DIODE		
D2871	1SS355-X	SI DIODE		
D4100	1SS355-X	SI DIODE		
D4102	1SS355-X	SI DIODE		
D4105	1SS355-X	SI DIODE		
D4200	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D4306	UDZS6.8B-X	Z DIODE		
D4307	UDZS6.8B-X	Z DIODE		
D4308	UDZS10B-X	Z DIODE		
D4309	UDZS10B-X	Z DIODE		
D4310	UDZS13B-X	Z DIODE		
D4311	UDZS13B-X	Z DIODE		
D4312	1SS355-X	SI DIODE		
D4313	1SS355-X	SI DIODE		
D4314	1SS355-X	SI DIODE		
D4315	1SS355-X	SI DIODE		
D4316	1SS355-X	SI DIODE		
D4317	1SS355-X	SI DIODE		
D4318	RB160L-60-X	SB DIODE		
D4319	1N4003S-T5	SI DIODE		
D4320	1N4003S-T5	SI DIODE		
D4321	1SS355-X	SI DIODE		
C900	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C901	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C902	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C903	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C904	QEZ0743-478	E CAPACITOR	4700uF	
C905	QEZ0743-478	E CAPACITOR	4700uF	
C910	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C911	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C912	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C913	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C914	QEZ0735-688	E CAPACITOR	6800uF	
C1000	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1001	QETN1JM-227Z	E CAPACITOR	220uF 63V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1100	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1300	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1301	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1400	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1500	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1550	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1551	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1601	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1651	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1700	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C1701	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C2100	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2102	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2103	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2105	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2108	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2109	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2113	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2114	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2150	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2151	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2152	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C2153	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C2154	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2155	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2156	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2157	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2250	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2252	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2254	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2255	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2256	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2257	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2258	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2259	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2260	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2261	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2262	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C2263	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C2300	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2301	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2400	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2500	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2503	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C2504	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2505	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2506	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C2507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2508	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C2509	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2511	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2512	QEKC1EM-107Z	E CAPACITOR	100uF 25V M	
C2513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2515	QEKC1EM-107Z	E CAPACITOR	100uF 25V M	
C2516	NCB31EK-472X	C CAPACITOR	4700pF 25V K	
C2517	NCB31EK-472X	C CAPACITOR	4700pF 25V K	
C2518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2522	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2525	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2527	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2600	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2601	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2650	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2651	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2653	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2654	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2655	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2657	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2659	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C2661	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C2662	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2663	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2702	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2705	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2752	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2802	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2805	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2850	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C2851	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2852	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2853	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2854	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2855	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2856	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2870	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2904	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2905	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2906	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2907	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2908	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2909	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C2910	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2911	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2912	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C2914	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
C4100	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4101	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C4102	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C4103	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4105	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C4110	NCB31CK-102X	C CAPACITOR	1000pF 16V K	
C4111	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4202	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4400	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4401	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4502	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C4503	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C4504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4505	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C4506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4507	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C4508	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4509	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5100	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5104	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R1000	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R1001	NRSA02J-682X	MG RESISTOR	6.8kΩ 1/10W J	
R1003	NRSA02J-682X	MG RESISTOR	6.8kΩ 1/10W J	
⚠ R1400	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1401	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1402	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1403	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1600	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1601	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1602	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
⚠ R1603	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R1610	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1700	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R1701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1703	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R2100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2101	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2102	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2105	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2110	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2111	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2114	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2116	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2117	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2120	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2121	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2122	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2150	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2151	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2152	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2153	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2154	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2155	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2156	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2157	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2251	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2252	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2253	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2254	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2255	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2260	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2261	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2262	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2263	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2264	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R2265	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2266	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2301	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2354	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2355	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2400	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2401	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2402	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2508	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2600	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2603	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2605	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2606	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2607	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2610	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2611	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2612	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2613	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2614	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2615	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2616	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2617	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2618	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2651	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2652	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2653	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2654	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2655	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2656	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2658	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2659	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2660	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2661	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2662	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2663	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2703	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2705	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2753	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2780	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2803	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2805	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R2854	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2855	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2856	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2857	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2858	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2859	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2860	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2861	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2862	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S33B, S33E, S33EE, S33EN, S33EV
R4103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	S11B, S11E, S11EE, S11EN, S11EV
R4106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4113	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R4114	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4118	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4121	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4122	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4123	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4124	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4130	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4132	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4133	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4135	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4136	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4137	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4138	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4140	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4145	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4146	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4147	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4148	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4149	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4154	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4155	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4156	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4157	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4158	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4159	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4160	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4163	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4164	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4165	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4166	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4167	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4168	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4305	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4306	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4400	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R4401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4402	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R4403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6000	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
L4200	QQL244K-100Z	COIL	10uH K	
CN100	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN101	QGD2504C1-04Z	CONNECTOR	(1-4)	
CN102	QGA3901C1-08	CONNECTOR	W-B (1-8)	
CN271	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN276	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN281	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN400	QGF1036C1-19	CONNECTOR	FFC/FPC (1-19)	
CN401	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN402	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
CN403	QGF1036C1-15	CONNECTOR	FFC/FPC (1-15)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN404	QGF1036C1-25	CONNECTOR	FFC/FPC (1-25)	
CN405	QGF1036C1-05	CONNECTOR	FFC/FPC (1-5)	
CN407	QGF1036C1-18	CONNECTOR	FFC/FPC (1-18)	
CN510	QGF1205F1-04	CONNECTOR	FFC/FPC (1-4)	
HS140	GV40620-001A	HEAT SINK		
HS160	LV40057-004A	HEAT SINK		
J2850	QNB0189-001	SPK TERMINAL		
J5100	QNS0170-001	HEADPHONE JACK		
K2900	QQR0621-001Z	FERRATE BEADS		
K4000	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K5100	NQR0360-002X	FERRITE BEADS		
K5101	NQR0360-002X	FERRITE BEADS		
K5102	NQR0360-002X	FERRITE BEADS		
PP901	QZW0112-001	WIRE CLAMP		
SC140	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SC141	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SC160	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
SP292	E3400-444	FELT SPACER		
X4100	QAX0667-001Z	C RESONATOR	8.000MHz	
X4500	QAX0868-001Z	C RESONATOR		

DVD module board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0009VP	IC		
IC302	MM1701CH-X	IC		
IC305	MM1563BF-X	IC	3.1V Regulator	
IC453	S-80827CNNB-G-W	IC		
IC505	K4S641632H-UC75	IC		
IC505 or	HY57V641620ETP7	IC(DIGITAL)		
IC509	----------	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4384VT-X	IC		
IC701 or	AK4384ET-X	IC		
IC702	AK4384VT-X	IC		
IC702 or	AK4384ET-X	IC		
IC703	AK4384VT-X	IC		
IC703 or	AK4384ET-X	IC		
IC705	MM1615AN-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
Q105 or	KRA116S-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C301	NEAF0GM-227X	E CAPACITOR	220uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C702	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C703	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C708	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C709	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R331	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R332	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R724	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R725	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R727	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R728	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R730	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CN101	QGF0523F1-25W	CONNECTOR	FFC/FPC (1-25)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN701	QGF1016F2-25W	CONNECTOR	FFC/FPC (1-25)	
CN702	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K501	NQR0502-001X	FERRITE BEADS		
K701	NQR0022-002X	FERRITE BEADS		
K702	NQR0022-002X	FERRITE BEADS		
K703	NQR0022-002X	FERRITE BEADS		
K704	NQR0022-002X	FERRITE BEADS		
K705	NQR0022-002X	FERRITE BEADS		
K706	NQR0022-005X	FERRITE BEADS		
K707	NQR0022-002X	FERRITE BEADS		
K708	NQR0022-002X	FERRITE BEADS		
K709	NQR0022-002X	FERRITE BEADS		
K710	NQR0022-002X	FERRITE BEADS		
K711	NQR0022-002X	FERRITE BEADS		
K720	NQR0022-002X	FERRITE BEADS		
K721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL		

DVD loading switch board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH		

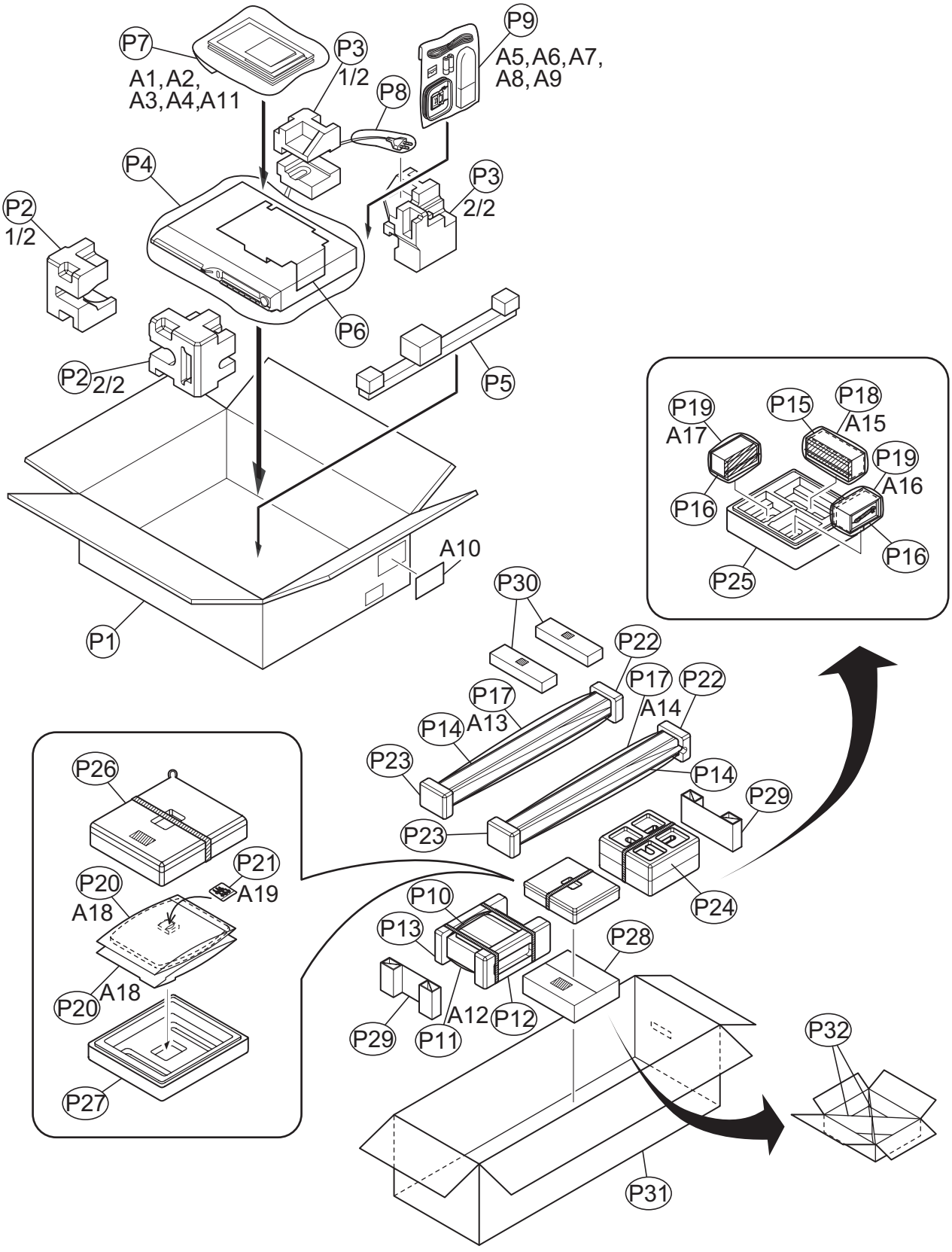
< MEMO >

Packing materials and accessories parts list

Block No. M 3 M M

(TH-S33 B,E,EN,EV)

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories (TH-S33 B,E,EN,EV)

Block No. [M][3][M][M]

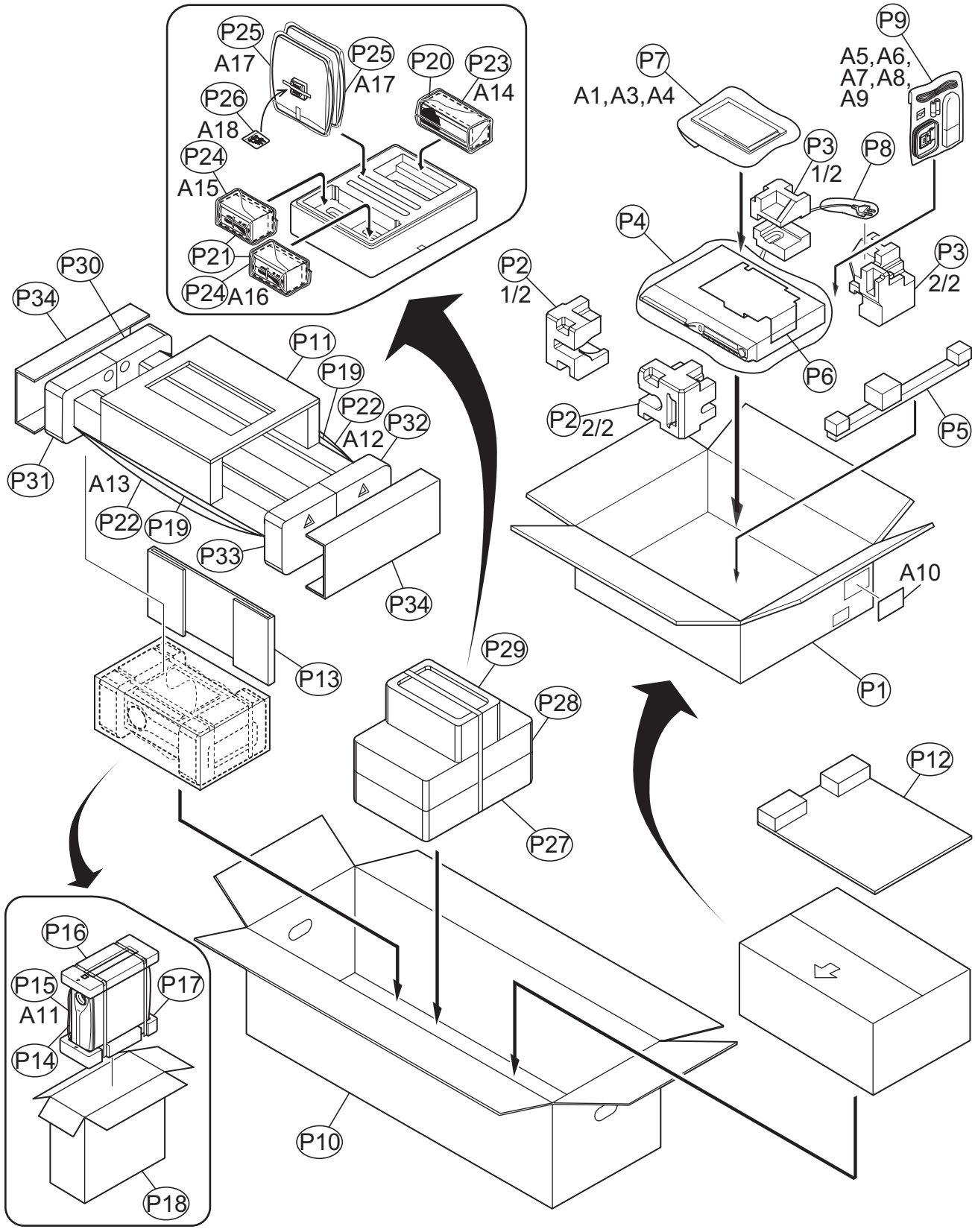
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-001A	INST BOOK	ENG	S33B
	A 1	GVT0155-002A	INST BOOK	GER FRE	S33E,S33EN
	A 1	GVT0155-006A	INST BOOK	CZE POL HUN	S33EV
	A 2	GVT0155-003A	INST BOOK	DUT	S33E
	A 2	GVT0155-004A	INST BOOK	SWE FIN DAN SPA ITA	S33EN
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	VNA3000-204	REGISTER CARD		S33B
	A 12	QAS0318-001	SPEAKER BOX	SUBWOOFER	
	A 13	AB050040-01	SPEAKER BOX	FRONT RIGHT	
	A 14	AB050040-02	SPEAKER BOX	FRONT LEFT	
	A 15	AB050041-01	SPEAKER BOX	CENTER	
	A 16	AB050042-01	SPEAKER BOX	SURROUND RIGHT	
	A 17	AB050042-02	SPEAKER BOX	SURROUND LEFT	
	A 18	9905001601	STAND & BASE ASSY	(x2)	
	A 19	7010944006	SCREW	(x6)	
	P 1	GV30728-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	8500055541	MIRROR SHEET		
	P 11	8500055721	POLY BAG		
	P 12	LV21821-201A	TOP CUSHION		
	P 13	LV21821-202A	BOTTOM CUSHION		
	P 14	8500059221	MIRROR MAT SHEET	(x2)	
	P 15	8500059231	MIRROR MAT SHEET		
	P 16	8500059241	MIRROR MAT SHEET	(x2)	
	P 17	8500059111	POLY BAG	(x2)	
	P 18	8500059121	POLY BAG		
	P 19	8500059131	POLY BAG	(x2)	
	P 20	8500055851	MIRROR MAT BAG	(x2)	
	P 21	8500047111	POLY BAG		
	P 22	LV36019-001A	BOTTOM CUSHION	FRONT SPK(x2)	
	P 23	LV36019-002A	TOP CUSHION	FRONT SPK(x2)	
	P 24	LV22043-001A	TOP CUSHION	SURROUND SPK	
	P 25	LV22043-002A	BOTTOM CUSHION	SURROUND SPK	
	P 26	LV22044-001A	TOP CUSHION	STAND BASE ASSY	
	P 27	LV22044-002A	BOTTOM CUSHION	STAND BASE ASSY	
	P 28	LV35831-035A	PARTITION BOX		
	P 29	LV36093-001A	PARTITION	(x2)	
	P 30	8000060701	CUSHION	(x2)	
	P 31	LV35831-032A	PACKING CASE		
	P 32	LV36146-001A	PARTITION	(x2)	

Packing materials and accessories parts list

Block No. M 4 M M

(TH-S33 EE)

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories (TH-S33 EE)

Block No. [M][4][M][M]

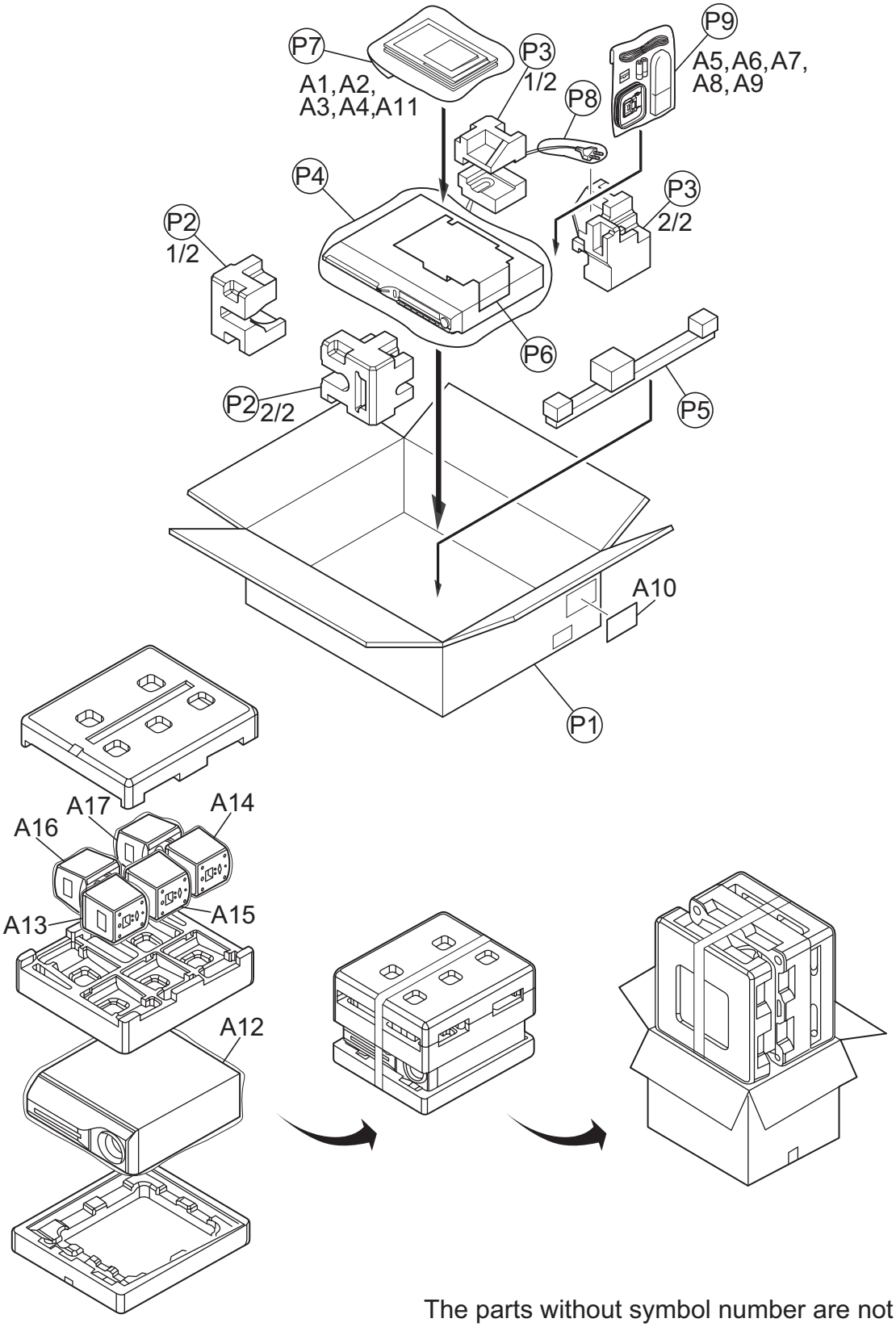
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-005A	INST BOOK	RUS	
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	QAS0318-001	SPEAKER BOX	SUBWOOFER	
	A 12	AB050040-01	SPEAKER BOX	FRONT RIGHT	
	A 13	AB050040-02	SPEAKER BOX	FRONT LEFT	
	A 14	AB050041-01	SPEAKER BOX	CENTER	
	A 15	AB050042-01	SPEAKER BOX	SURROUND RIGHT	
	A 16	AB050042-02	SPEAKER BOX	SURROUND LEFT	
	A 17	9905001601	STAND & BASE ASSY	(x2)	
	A 18	7010944006	SCREW	(x6)	
	P 1	GV30773-004A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	GV30729-002A	MASTER CARTON		
	P 11	GV30788-001A	CARTON SPA.(A)		
	P 12	GV30789-001A	CARTON SPA.(B)		
	P 13	GV30790-001A	CARTON SPA.(C)		
	P 14	8500055541	MIRROR SHEET		
	P 15	8500055721	POLY BAG		
	P 16	LV22045-001A	TOP CUSHION		
	P 17	LV22045-002A	BOTTOM CUSHION		
	P 18	8300052341	PACKING CASE(MASTER)		
	P 19	8500059221	MIRROR MAT SHEET	(x2)	
	P 20	8500059231	MIRROR MAT SHEET		
	P 21	8500059241	MIRROR MAT SHEET	(x2)	
	P 22	8500059111	POLY BAG	(x2)	
	P 23	8500059121	POLY BAG		
	P 24	8500059131	POLY BAG	(x2)	
	P 25	8500055851	MIRROR MAT BAG	(x2)	
	P 26	8500047111	POLY BAG		
	P 27	LV22042-001A	CUSHION		
	P 28	LV22042-002A	CUSHION		
	P 29	LV22042-003A	CUSHION		
	P 30	LV36018-001A	CUSHION	FRONT SPK	
	P 31	LV36018-002A	CUSHION	FRONT SPK	
	P 32	LV36018-003A	CUSHION	FRONT SPK	
	P 33	LV36018-004A	CUSHION	FRONT SPK	
	P 34	8100127301	PARTITION	FRONT SPK(x2)	

Packing materials and accessories parts list

Block No. M 5 M M

(TH-S11 B,E,EN,EV)

No additional / supplemental order of WARRANTY CARDs are available



The parts without symbol number are not service.

Packing and Accessories (TH-S11 B,E,EN,EV)

Block No. [M][5][M][M]

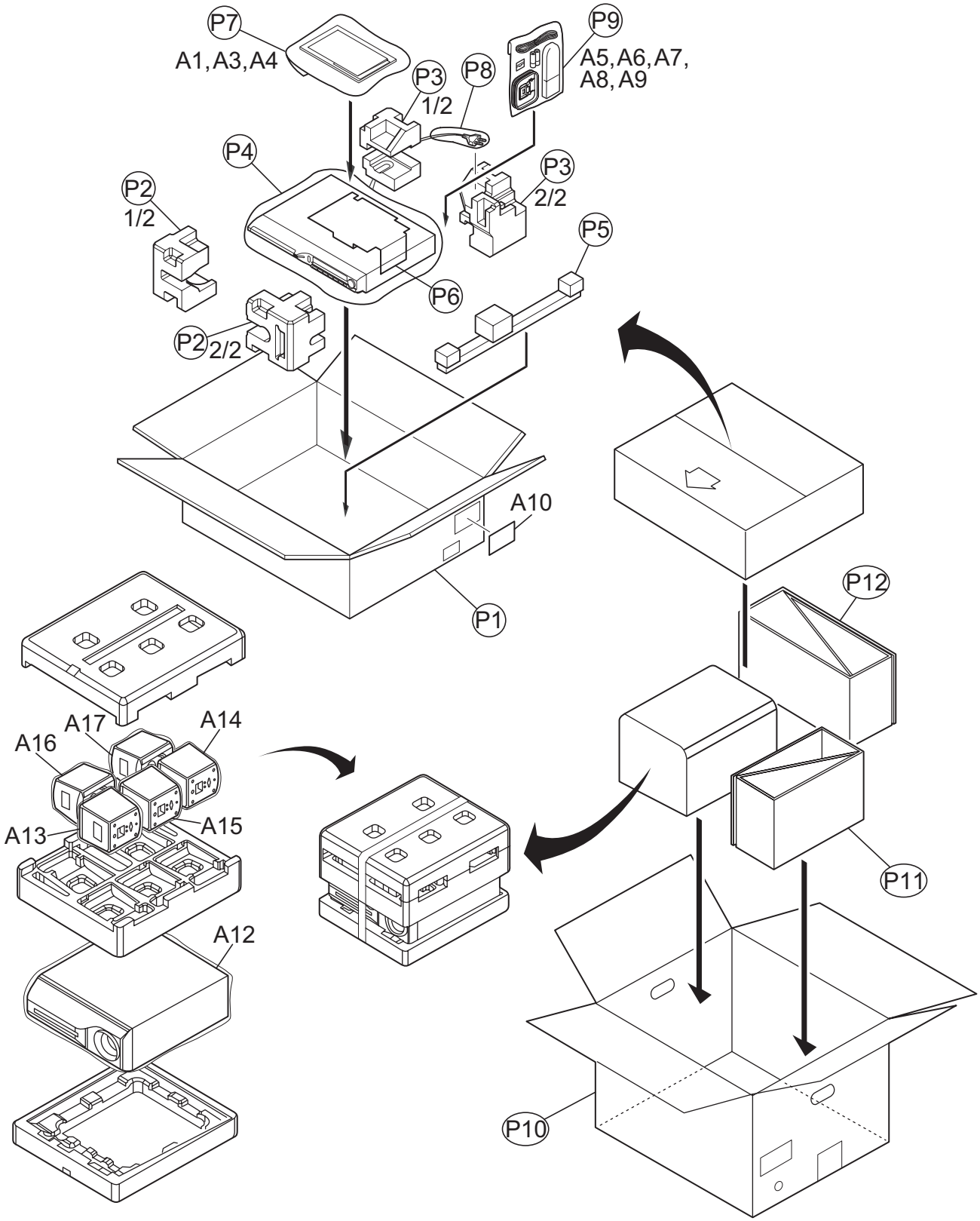
⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-001A	INST BOOK	ENG	S11B
	A 1	GVT0155-002A	INST BOOK	GER FRE	S11E,S11EN
	A 1	GVT0155-006A	INST BOOK	CZE POL HUN	S11EV
	A 2	GVT0155-003A	INST BOOK	DUT	S11E
	A 2	GVT0155-004A	INST BOOK	SWE FIN DAN SPA ITA	S11EN
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	VNA3000-204	REGISTER CARD		S11B
	A 12	SPWS11E-SPBOX-W	SPEAKER BOX	SUBWOOFER	
	A 13	THS11E-SPBOX-FL	SPEAKER BOX	FRONT LEFT SPK	
	A 14	THS11E-SPBOX-FR	SPEAKER BOX	FRONT RIGHT SPK	
	A 15	THS11E-SPBOX-C	SPEAKER BOX	CENTER SPK	
	A 16	THS11E-SPBOX-SL	SPEAKER BOX	SURROUND LEFT SPK	
	A 17	THS11E-SPBOX-SR	SPEAKER BOX	SURROUND RIGHT SPK	
	P 1	GV30726-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	

Packing materials and accessories parts list

Block No. M 6 M M

(TH-S11 EE)

No additional / supplemental order of WARRANTY CARDs are available



The parts without symbol number are not service.

Packing and Accessories (TH-S11 EE)

Block No. [M][6][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0155-005A	INST BOOK	RUS	
	A 3	----------	WARRANTY CARD	BT-54026-1	
	A 4	GV40644-001B	INSTRUCTION SHB		
	A 5	QQR1607-001	FERRITE CLAMP		
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	RM-STHS33R	REMOCON		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	----------	BATTERY	(x2)	
	A 10	CL0020-001	COMPUTER LABEL		
	A 12	SPWS11E-SPBOX-W	SPEAKER BOX	SUBWOOFER	
	A 13	THS11E-SPBOX-FL	SPEAKER BOX	FRONT LEFT SPK	
	A 14	THS11E-SPBOX-FR	SPEAKER BOX	FRONT RIGHT SPK	
	A 15	THS11E-SPBOX-C	SPEAKER BOX	CENTER SPK	
	A 16	THS11E-SPBOX-SL	SPEAKER BOX	SURROUND LEFT SPK	
	A 17	THS11E-SPBOX-SR	SPEAKER BOX	SURROUND RIGHT SPK	
	P 1	GV30773-001A	CARTON BOX		
	P 2	GV20256-001A	FRONT CUSHION		
	P 3	GV20257-001A	REAR CUSHION		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30791-001A	BOTTOM SPACER		
	P 6	GV30787-001A	CARTON SPACER T		
	P 7	QPA02503503P	POLY BAG	25cm x 35cm	
	P 8	QPA01002503	POLY BAG	10cm x 25cm	
	P 9	QPA01702503P	POLY BAG	17cm x 25cm	
	P 10	GV30727-002A	MASTER CARTON		
	P 11	GV30771-002A	CARTON SPACER(A		
	P 12	GV30772-002A	CARTON SPACER(B		